# IMS200 SURVEILLANCE SYSTEM
# USER MANUAL

# 1 PRECAUTIONS

- The contents of this manual may change due to product upgrades or other reasons.
- We have the right to make changes of the contents without notice.
- This user manual is for reference only, subject to available products. This manual may contain inaccurate data or printing error. We reserve the right to interpret the details of this manual.

# 2 PERFACE

《IMS200 Surveillance System User Manual》 introduces the software features and configuration operation of IMS200. Please go through this user manual before operating.

**Agreements**

1. Symbols:

| Index | Meaning |
|---|---|
| [] | “[]” refers interface, menu and data sheet, e.g. “[Add User] interface” |
| 【】 | “【】” refers button, e.g. “ click 【OK】” |

Form 2-1

Introduction: Make some complement explanation to the contents.

Warning: Prompt the warning in order to avoid damage caused by improper operation.

Note: Prompt operation notes in order to avoid data loss and device damage caused by improper operation.

# TABLE OF CONTENTS

# 3 INTRODUCTION

## 3.1 SUMMARY

IMS200 is a professional surveillance system software which support muti-user, multi-window and multilingual display, voice talk, EMap, alarm and etc. IMS200 is compatible with various access devices. This is a stable, reliable and easy operation system.

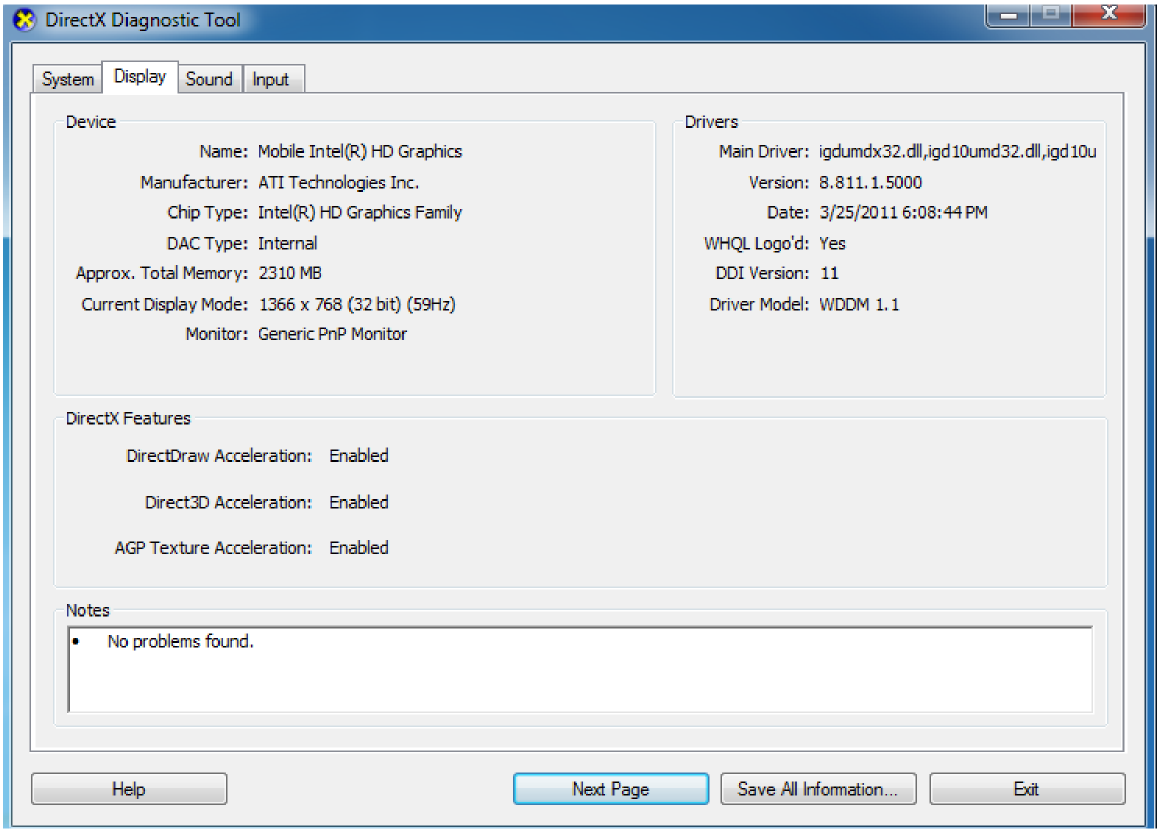
## 3.2 RUNTIME ENVIRONMENT

- Hardware minimum requirements
  - **CPU:** P4/2.0GHz
  - **Memory:** 512M
  - **Resolution:** 1024*768 and ≥128M memory (support DirectX 8.0 and higher grade)
  - **Hard Disk:** 300M free space
  - **Network transmission:** 10/100Mbps Ethernet, consistent with TCP/IP or UDP/IP protocol.
- Software minimum requirements
  - **Operation system:** Windows XP SP2, Windows 2000, Windows 2003, Windows Vista, win7(run by "Administrator" in Vista and win7)，Mac OS
  - **Graphics drive installed**

---

Introduction: enable "DirectX", set the "hardware speed up" to 'high'

---


DirectX Diagnostic Tool
System
Display
Sound
Input
Device
Name: Mobile Intel(R) HD Graphics
Manufacturer: ATI Technologies Inc.
Chip Type: Intel(R) HD Graphics Family
DAC Type: Internal
Approx. Total Memory: 2310 MB
Current Display Mode: 1366 x 768 (32 bit) (59Hz)
Monitor: Generic PnP Monitor
Drivers
Main Driver: igdumdx32.dll,igd10umd32.dll,igd10u
Version: 8.811.1.5000
Date: 3/25/2011 6:08:44 PM
WHQL Logo'd: Yes
DDI Version: 11
Driver Model: WDDM 1.1
DirectX Features
DirectDraw Acceleration: Enabled
Direct3D Acceleration: Enabled
AGP Texture Acceleration: Enabled
Notes
No problems found.
Help
Next Page
Save All Information...
Exit

# 4 INSTALLATION

## 4.1 Windows Operation system

1. Double left click “IMS_200_Client_V1.29.exe” to install this program. 


2. Complete the installation following the guide, see “Diagram 4-1” to “Diagram 4-4”

Step1: click “Next (N)”, see “Diagram 4-1 ”

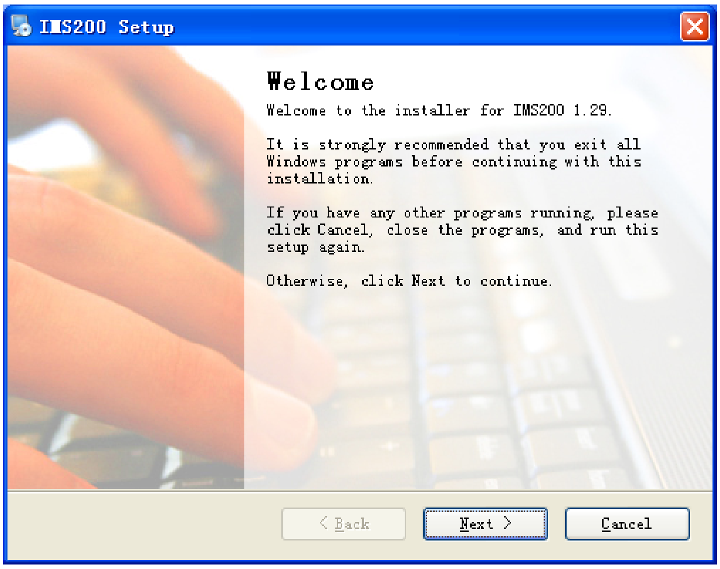



Diagram 4-1

Step2: click “Next (N)”after select an install path, the default installation path is “C:\Program Files\IMS200”.see”Diagram 4-2”

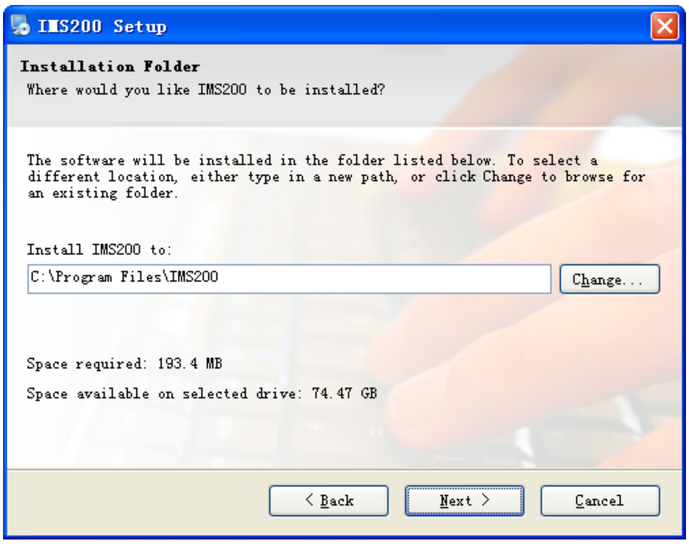



Diagram 4-2

Step3: click “Next (N)”

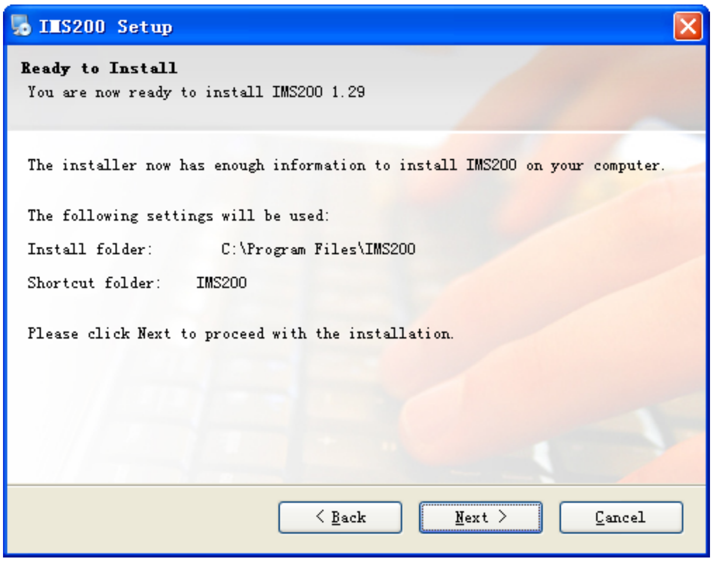



Diagram 4-3

Step4: install automatically

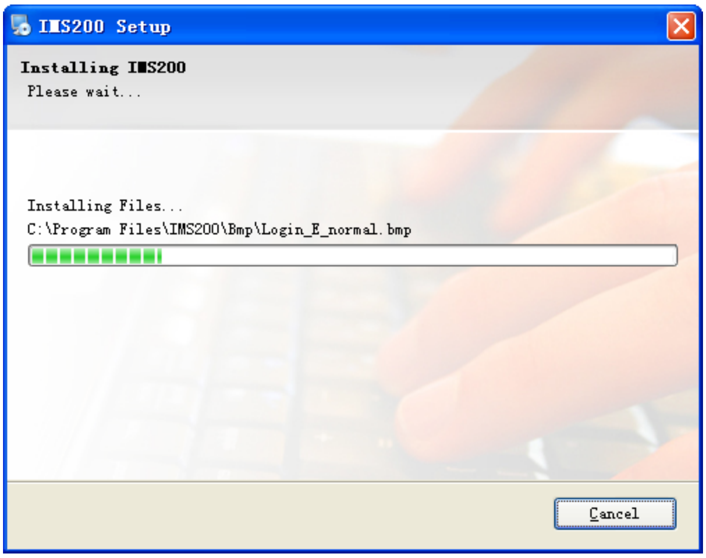



Diagram 4-4

Step5: click “Finish (F)” to complete the installation process

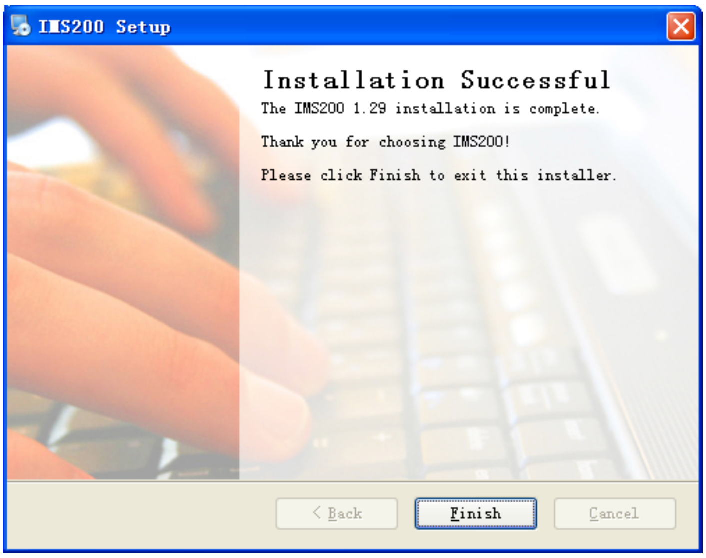



Diagram 4-5

3. The shortcut 

will be created on desktop after install the IMS200 system.

# 5 LOGIN AND INTERFACES

## 5.1 LOGIN

Double left click 

to pop up [LOGIN] interface, see “Diagram 5-1”. Input correct user name, password and click 

to enter the system.

The default account is “super” which has device management authority (the name and password are “super”). The default administration account is “system” which has authority to modify advanced functions like create new users, rights management and add E-map (the name and password are “system”).

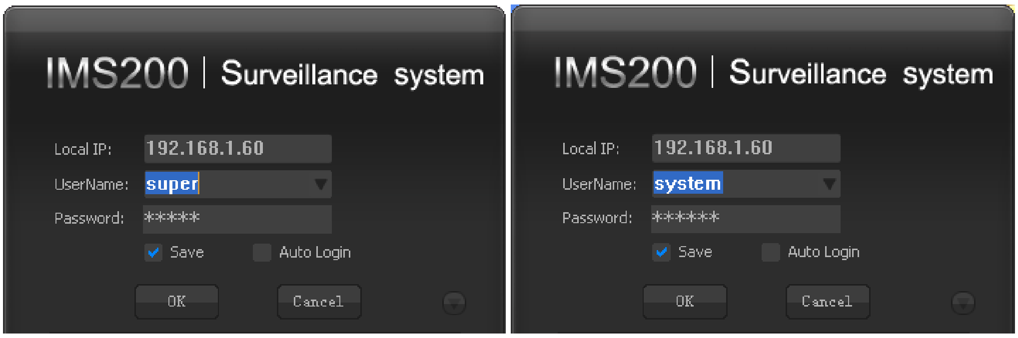



Diagram 5-1

---

⚠ Note:

1. Modify your password in “Setting->Modify Password” in the first login.

2. Configurate the organization, users, device, EMap and etc. Please refer chapter7 for detail.

---

## 5.2 INTERFACE

There are screens, menu, functional keys, output mode keys, toolbar, upper right icons, alarm and status show on the main interface. (See “Diagram 5-2”)

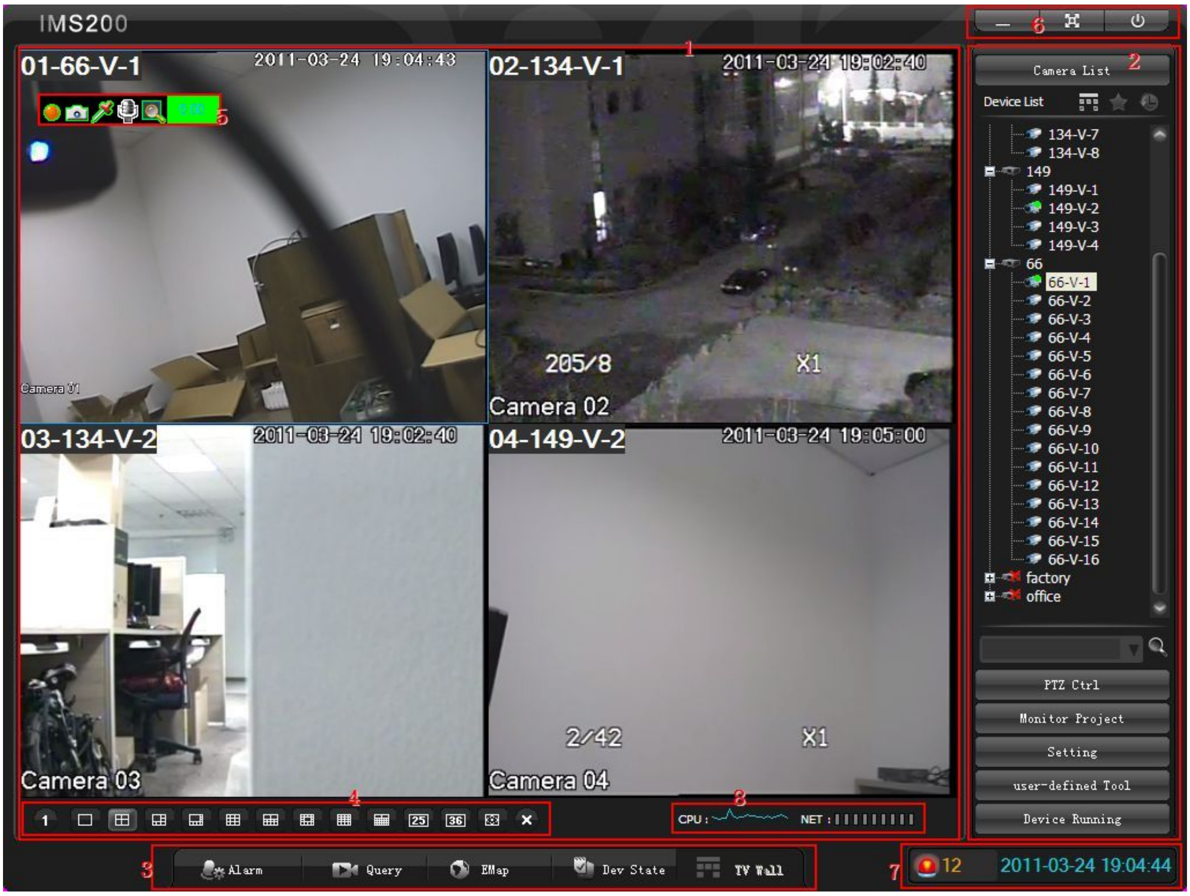



Diagram 5-2

1. Screens

Display and control the real-time video. Click mouse right button to select "voice talk", "snapshot", "record", "output", "save", "go to" and "TV wall" function in a specific window. (See "Diagram 5-3")




Diagram 5-3

Introduction: functions are valid under specific conditions

2. Menu

| Name | | Function & Operation |
|---|---|---|
| Camera List | Device list | Shows organizations, devices and channels |
| | | Shows device IP, name and model by moving the mouse cursor on a device |
| | | Finish the TV wall output and video output in center |
| | | Status icons in record and live view mode |
| | | Show the record device status |
| | | Take record for talk |
| | | Search information of device and channel |
| | | Position to playback |
| | | Timing |
| | | Reboot |
| | | Log in / Log out (manually) |
| | | Configurate control (for specific devices) |
| | Favorite | Add to “Favorite” |
| | History | History review |
| | Fuzzy search | Input some character to search equipment |
| PTZ Ctrl | Control zoom | Eight-direction control |
| | | 3D positioning, simulated joystick, etc |
| | | Modify step, zoom, focus and Iris |
| | Preset | Configurate and execute presets |
| | Auto Tour | Configurate and execute auto tour |
| | Aux | Light, Aux1, Aux2, etc |
| Monitor Project | | Configuration and Execution |
| | | Plan the task |
| | | Pause/On the task |

| | | | |
|---|---|---|---|
| | | Import/Export the documents | |
| | | The information of the project and task | |
| | Local Set | Record | Set the record path |
| | | | Set the download path |
| | | | Set the snapshot path |
| | | | Set the talk path |
| | | | Set the single file length |
| | | | Enable the talk saving |
| | | Display | Enable the display toolbar |
| | | | Show or hide the device name on EMap |
| | | | Minimum or maximum EMap size |
| | | | Set log number capacity |
| | | | Select media transfer protocol |
| | | System | Select start screen numbers |
| | | | Set organization levels |
| | | | Multi-window configuration |
| | | | Auto task running |
| | | | Select system startup mode |
| | | Others | Set time period before turn to the playback |
| | | | Time verification interval |
| | | | Time verification disparity |
| | | | Display content when device running |
| | | | Language(Chinese/English) |
| | | Screen out | OSD configuration |
| | | About | Software version and copyright |
| | Config import | Input the setup file | |
| | Config export | Output the setup file | |
| | Modify Password | Modify license password or current account password | |
| | License | For different users access for setting | |

| | | |
|---|---|---|
| | Device config | Search/add/delete/update device |
| | User config | Add/modify user information |
| | Emap config | Add/edit Emap |
| | System config | For I-frame/log/authorization/DDNS etc. setting |
| | Record plan | Configurate and execute record plan |
| Custom Tool | | Playback the last alarm related video |
| Status Display | | IP, manufacturer and working status information display. |

Form 5-1

3. Functional keys

| Name | | Description |
|---|---|---|
| Alarm | Task config | Add, modify and delete tasks |
| | Plan config | Add, modify and delete plan |
| | Global config | Configurate the external, detect, loss and cover alarm |
| | Relate config | Configurate the relate, alarm output to CDS/VMS/sound/SMS |
| | Manually plan config | Manually channel, device and node plan |
| | Overall config | Alarm, relate sound, relate light, relate output |
| | Execute | Execute or stop task or plan |
| | Import/Export | Import/export alarm information files |
| | Device info | Device list, name and task status |
| Query | Playback | Four-window record playback, support slice, full screen, record, snapshot, sync play, forward and slow |
| | Download | Download from headend device or centre records |
| | Search | Search the files of voice talk, local record, snapshot and download |
| | Alarm show | Shows alarms by time, type, user and status |
| EMap | EMap | Integrate the map and video information |
| Dev status | Device Status | Shows the channel stream and alarm task |
| TV wall | TV Wall | Set the screens output to TV wall |

Form 5-2

4. Output mode

| Name | Description |
|---|---|
| Output Mode | 1/4/6/8/9/13/16/25/36/Full Screen/Close All Windows |

Form 5-3

5. Display toolbar

| Name | Description |
|---|---|
| Toolbar on screen | Icons for record, snapshot, color, voice talk, streaming and etc. |

Form 5-4

6. Upper right icons

| Name | Description |
|---|---|
| Exit | Minimizing, maximizing window, license, lock, switch and exit current account |

Form 5-5

7. Alarm & Date

| Name | Description |
|---|---|
| Shortcut zoom | Pop up system log and alarm interface by clicking the time and alarm icon |

Form 5-6

8. Status

| Name | Description |
|---|---|
| Status | CPU and network running status |

Form 5-7

## 5.3 QUICK GUIDE

Login by the “super” account and add devices.

(1) Add device:

Click “setting”\ “Device config” enter device config interface, select 

.

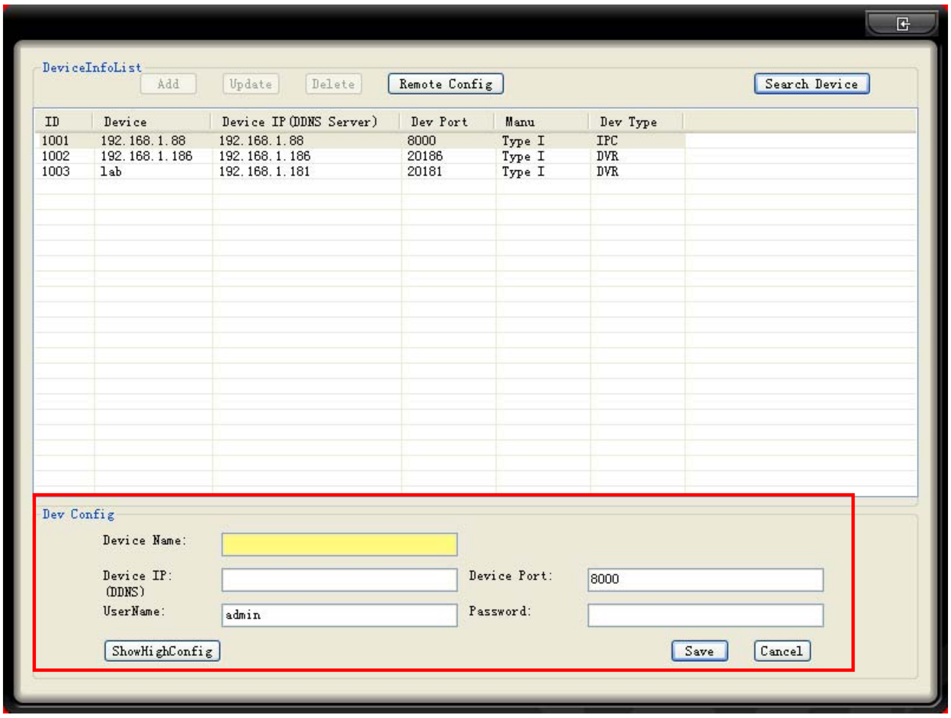



Diagram 5-4

Click ShowHighConfig for more setting.

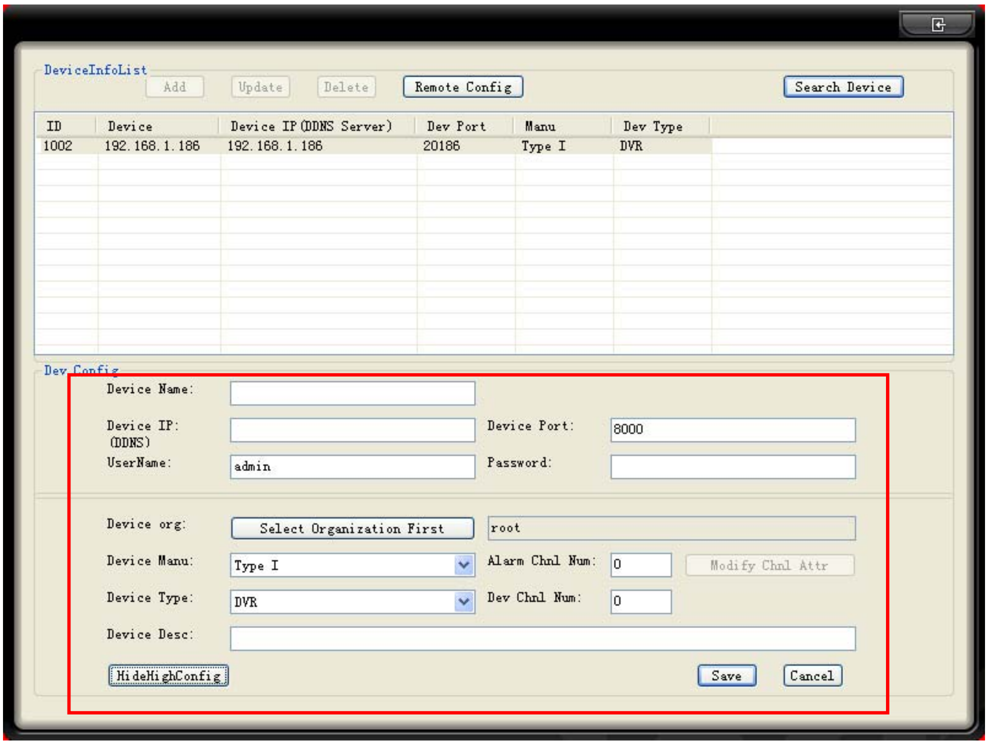



Diagram 5-5

(1) Add: select an organization node and add devices under this node. Input the device data like type, manufacturer, name, IP and password in popup window. At last click 【Save】 to finish the process. (The “Device Channel Count” and “Alarm Channel Count” are automatically generate according to the device IP. The default port: 8000. )

⑵ Update: select a device and click icon 【Update】 to modify its information.

⑶ Device Information: Click icon [Modify Chnl Attr], this window (See “Diagram 5-4”) which contains [Video Channel] and [Alarm Channel] will pop up when you select a device.

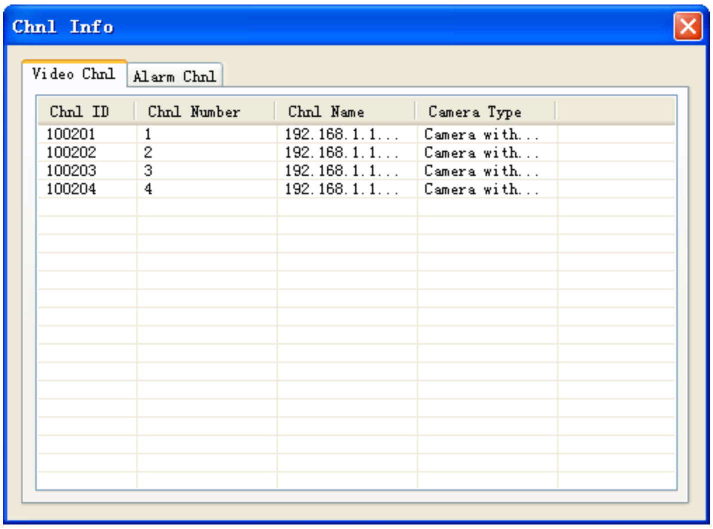



Diagram 5-4

(2) Search device: (You can through search function to add device)

Click “setting”\ “Device config” enter device config interface, then select [Search Device] to search device automatically, after few minutes, Search results are as follows (see “Diagram 5-7”),

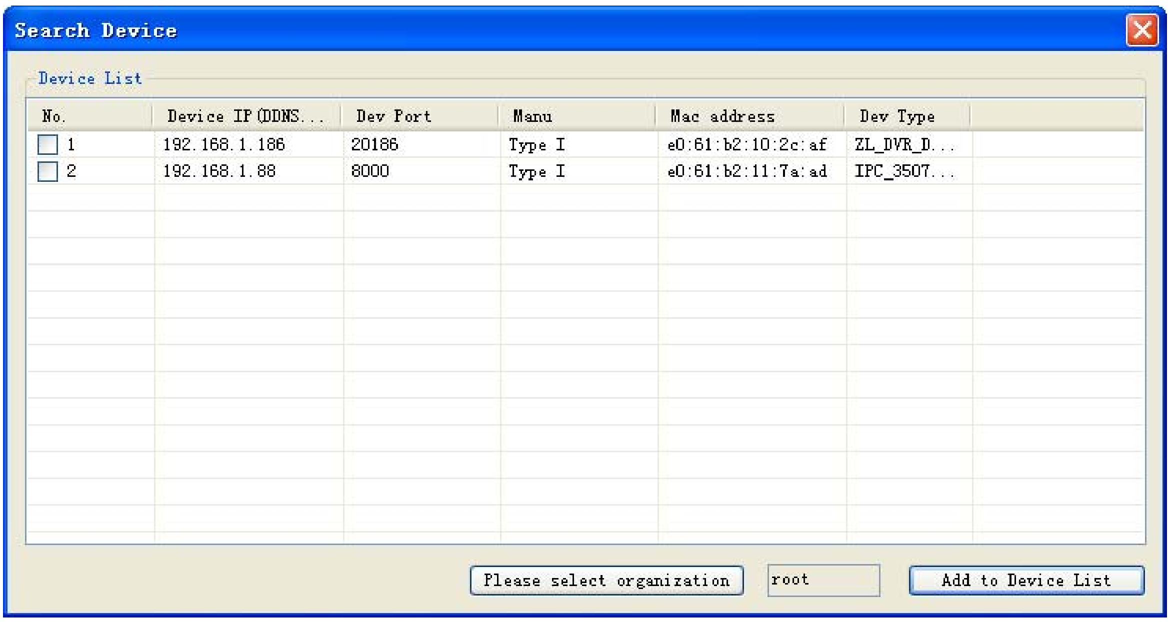



Diagram 5-7

Then click 

to enter organization structure interface, see “Diagram 5-8”)

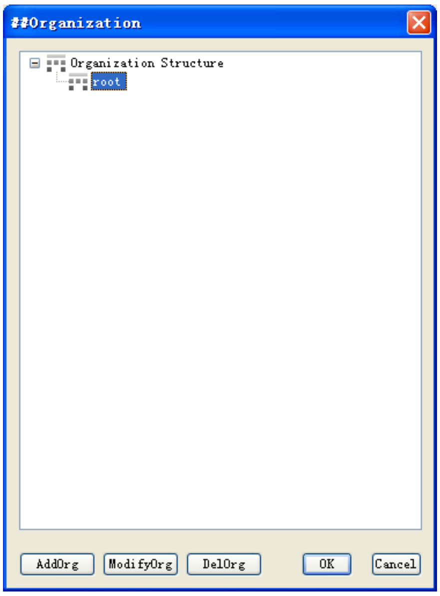



Diagram 5-8

Can choose root node or add other node, click【ok】return to “Search Device” page (Diagram 5-5), then choose desired devices and click “Add to Device List”. Click the 【save】after update device configuration, such as the device name, device IP, device port , user name, password etc. At this time, add device successfully.

You can operate in main interface after complete the configuration.

---

Introduction: there are two criteria for apply the PTZ function: 1. ensure the connected device is a dome camera; 2. select the right camera type.

---

# 6 FUNCTIONS

## 6.1 MONITOR

### 6.1.1 CAMERA LIST

[Camera List] shows the "Structure", "IP Address", "Device List", "Favorite" and "History".(See "Diagram 6-1")

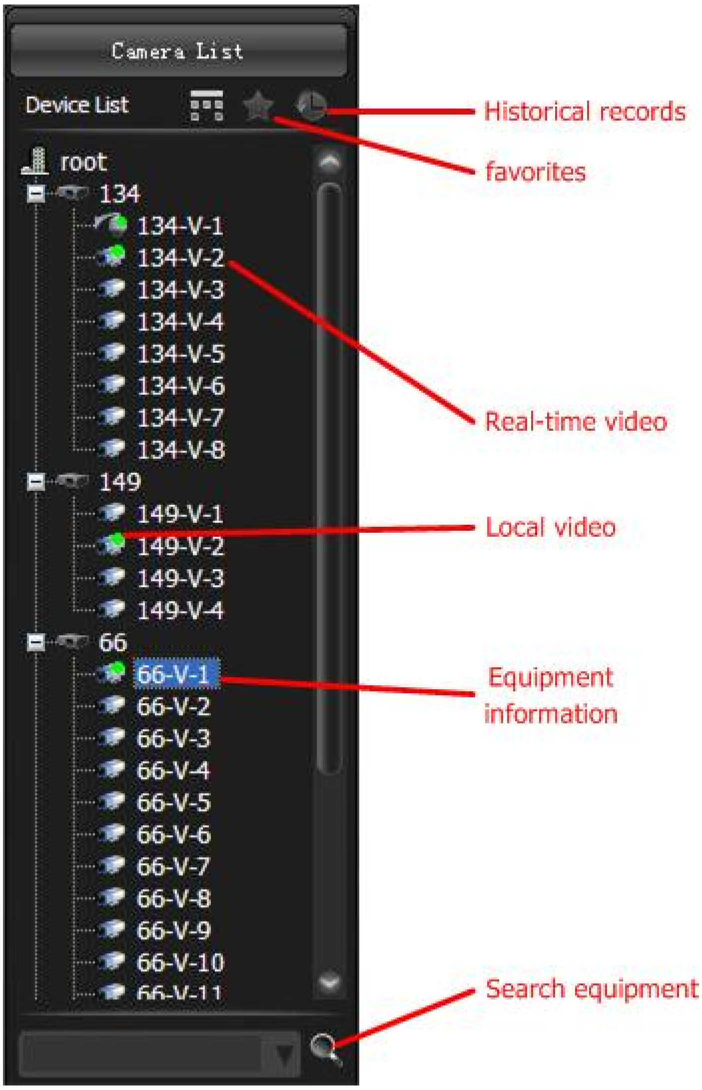



Diagram 6-1

Operation:

● Node:

Click ⊞ to open the sublist.

Click ⊟ to close the sublist.

● Switch to live view:

Select a screen and double left click a camera to start the live view in this selected screen.

Or drag a camera/device/node to a screen to play.

● Device information: move the mouse cursor to DVR or IPC to show the device information like IP, name, manufacturer and model.

● Start talk: select a camera and enable the voice talk in context menu, click again to stop talk.

● Add to "Favorite": select a node/camera/channel and add to favorite in context menu.

● Playback interface position: Select a camera and position it to the playback interface by context menu.

● Set "Playback before": Setting—>Local Set—>Other

● EMap position: select a camera and position it to the EMap by context menu

● Search: input device name or IP to search

● Context menu:

Right click a device to execute the operations "add to favorite", "timing", "reboot", "log in" and "config"

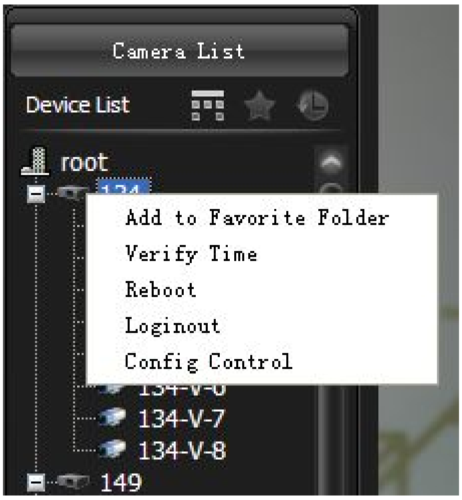



Diagram 6-2

Right click a camera to execute the operations "talk", "add to favorite", "go to playback" and "go to EMap".

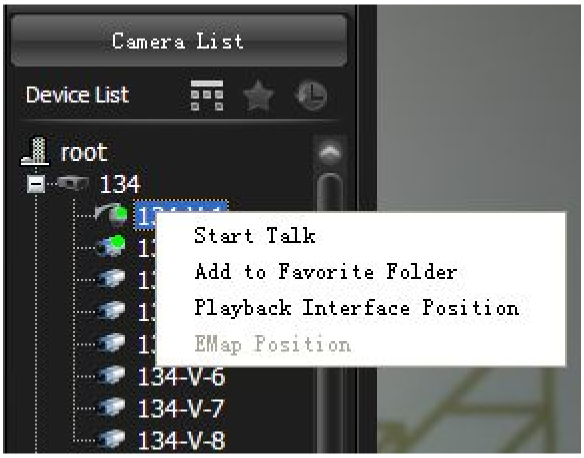



Diagram 6-3

## 6.1.2 LIVE VIEW

Play the live view in selected window or drag a node or a device to a window to play. (See “Diagram 6-4”) .

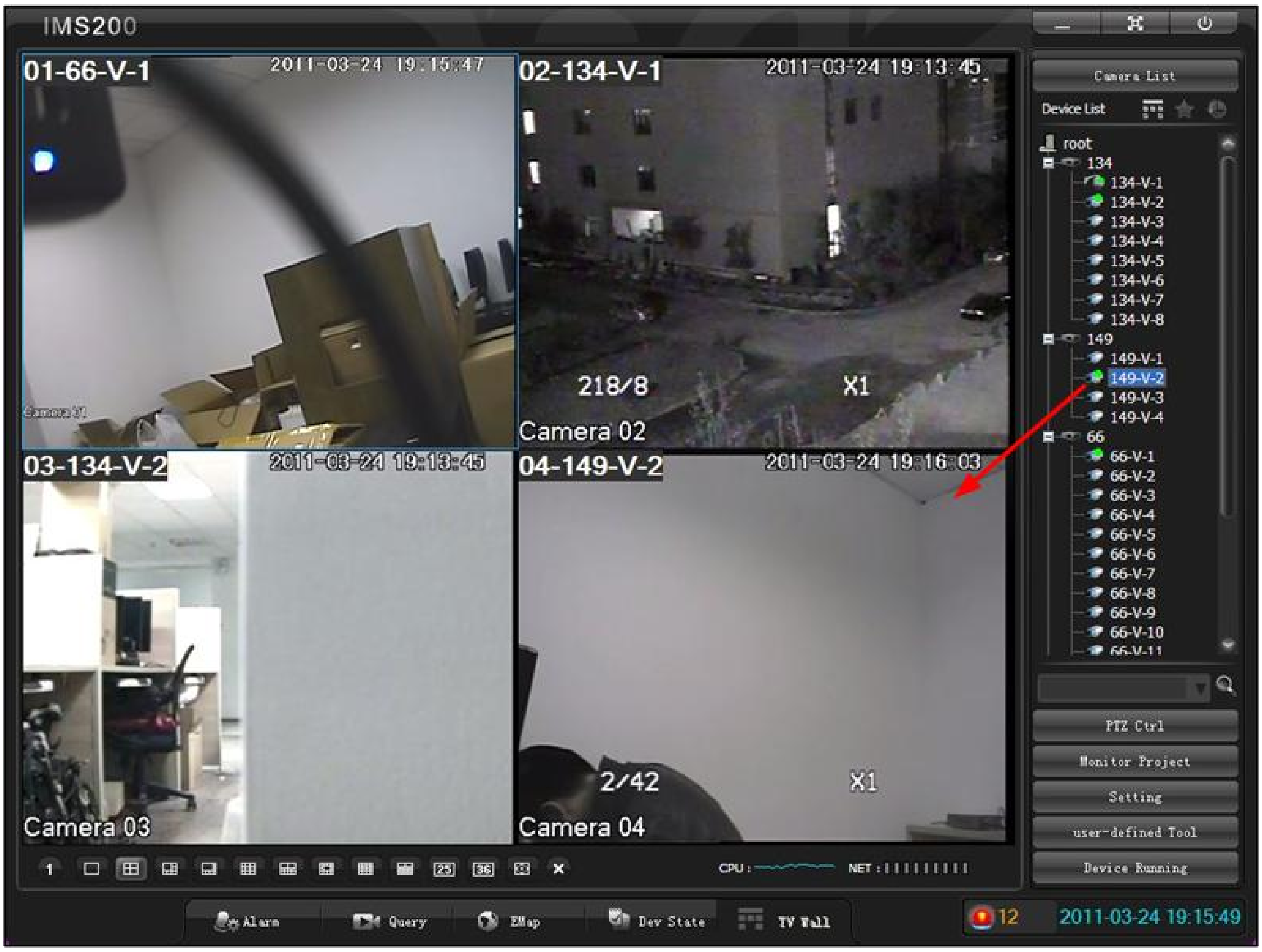



Diagram 6-4

Introduction:

1. The device with green spot refers this camera is in live view mode.

2. Select a window, the corresponding camera will be marked automatically.

3. Drag to change the screen position; double left click to maximize the image (single screen), double left click to go back.

Screen context menu: (See “Diagram 6-5”).




Diagram 6-5

Functions Description.

| Control | Explain |
|---|---|
| Window | Show the window number |

| | |
|---|---|
| Voice talk | Start the voice talk(depend on the DVR function) |
| Snapshot | Snapshot in live image |
| Record | Save the video audio in local files |
| Output | Set the output audio and color |
| Save | Save the current window and camera as one task group<br>Save the current video in “Favorite” |
| Go to | Position to playback or EMap |
| TV Wall | Send image to TV wall |
| Close | Close the selected window |

Form 6-1

## 6.1.3 RECORD

Click the 【Record】 in context menu to start recording, click again to stop the operation. Set record path in [Setting]—> [Local Set]—> [Record].

Introduction:: in recording, : device, : channel

## 6.1.4 SNAPSHOT

Click 【Snapshot】 in context menu to save one single image of the video.

Path: Setting —> Local Set —> Record.

The default path: C:\Program Files\IMS200\PIC.

Save format: .bmp.

## 6.1.5 COLOR

You can modify brightness, contrast, saturation and hue in screen [context menu] —> [Output]—> [Color]. (See “Diagram 6-6”)

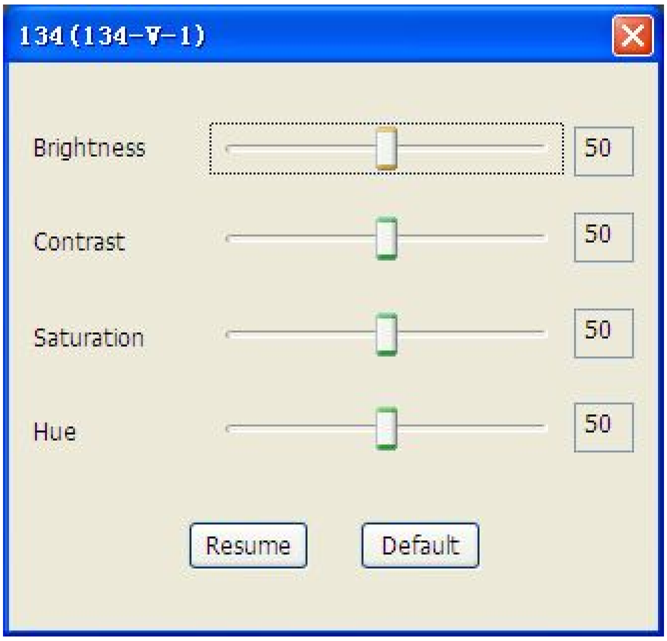



Diagram 6-6

---

Introduction: Resume: restore the last operation; Default: restore to the default status. This operation modifies the screen output but not the headend cameras.

---

### 6.1.6 VOICE TALK

Select 【Voice Talk】 in the context menu to access the live sound, click it again to quit.

---

Introduction: multiple channels' voice talk are unsupported. The voice collector in DVR is necessary for apply this function.

---

### 6.1.7 GO TO

Playback: play the 10 minutes before record. (The default is 10 minutes, you can modify it in "Setting"—>"Local Set" "Others"—>"Playback Before")

EMap: go to EMap which the camera belongs.

## 6.1.8 TV WALL

TV wall is supported, contact with the technical support staff for further information.

## 6.1.9 PARTITION

Partition options are first window, 1, 4, 6, 8, 9, 10, 13, 16, 20, 25, 36 windows, see "Diagram 6-7".

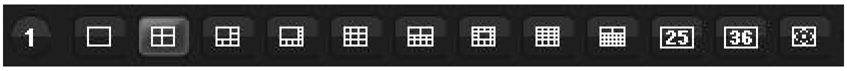



Diagram 6-7

Introduction: the default partition is 4 windows

## 6.1.10 FULL SCREEN

Full screen icon is  (see "Diagram 6-8")




Diagram 6-8

Introduction:

1. The right side toolbar pop up as cursor move into this zoom, hided as cursor move out.

2. The bottom toolbar pop up as cursor move into this zoom, hided as cursor move out.

3. Click “Esc” to exit.

### 6.1.11 CLOSE ALL WINDOW

Click  to close all screens.

## 6.2 QUERY

“Query” includes “Playback”, “Download”, “Search” and “Alarm Show”.

### 6.2.1 PLAYBACK

Click 【Query】 to pop up the [Playback] interface (see “Diagram 6-9”) .

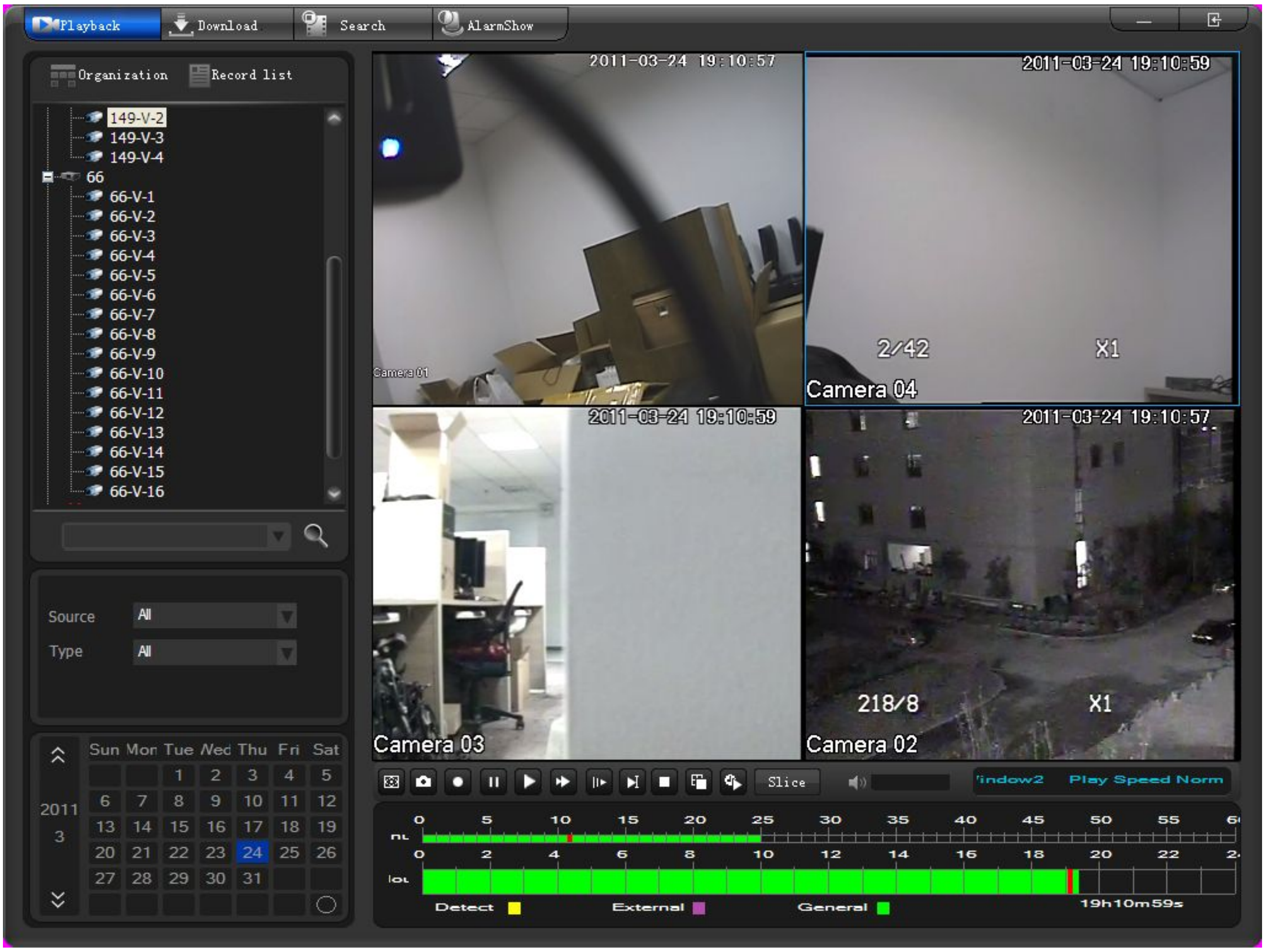



Diagram 6-9

Select a camera in "Organization"—>select the "source" (all, device, platform)and "type"(all, external alarm, motion detect, general record)—>double left click the date to list all records of that day (the time band with color refers the different record types in that period). You also can choose any time period by dragging, see "Diagram 6-10".

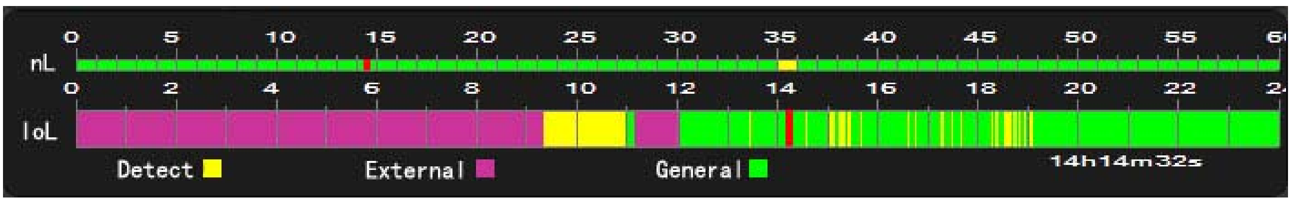



Diagram 6-10

Green: General Yellow: Motion Detect Purple: External Alarm

Select the hour and minute separately and play that record.

Click  to synchronize four windows' record time with the selected specific window

Introduction: the prompt as "Diagram 6-11" will pop up as the search is failed.

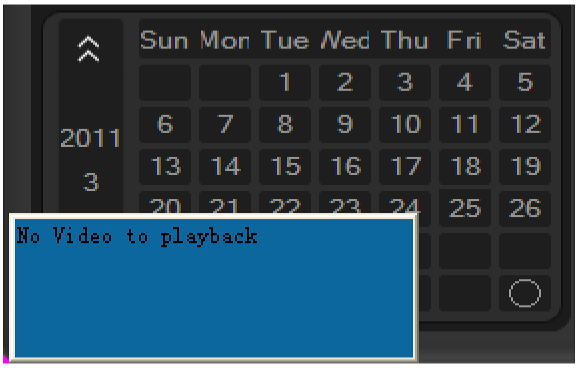



Diagram 6-11

"Diagram 6-12" shows the playback toolbar




Diagram 6-12

Fast: 2, 3, 4, MAX times faster playback

Slow: -2, -3, -4, MIN slow playback

All the searched record results list in 

, see "Diagram 6-13".

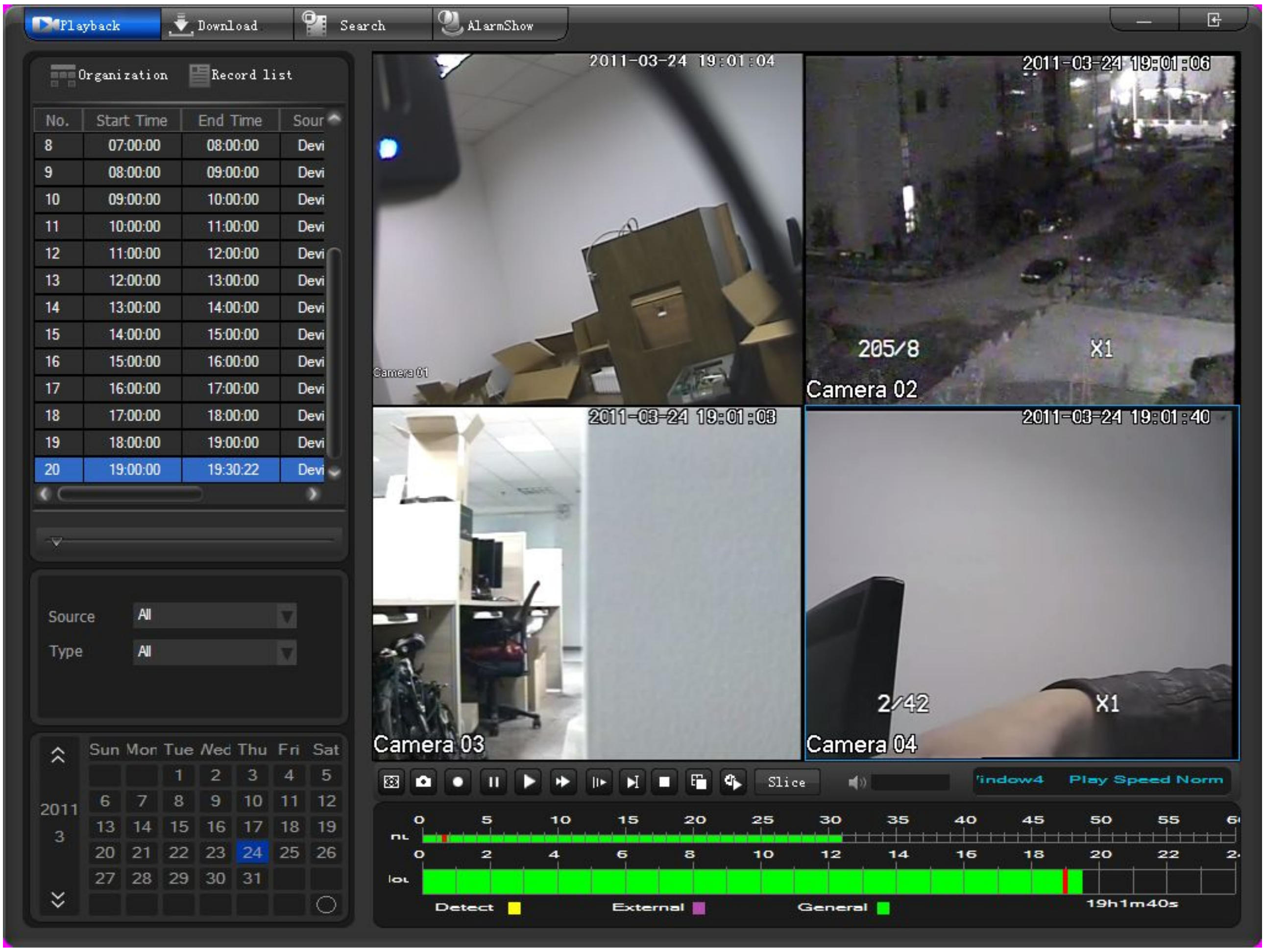



Diagram 6-13

The record with blue color is the one in playing.

Double left click a record in list to play.

Double left click a window to switch to full screen mode (see "Diagram 6-14") and click again to exit.

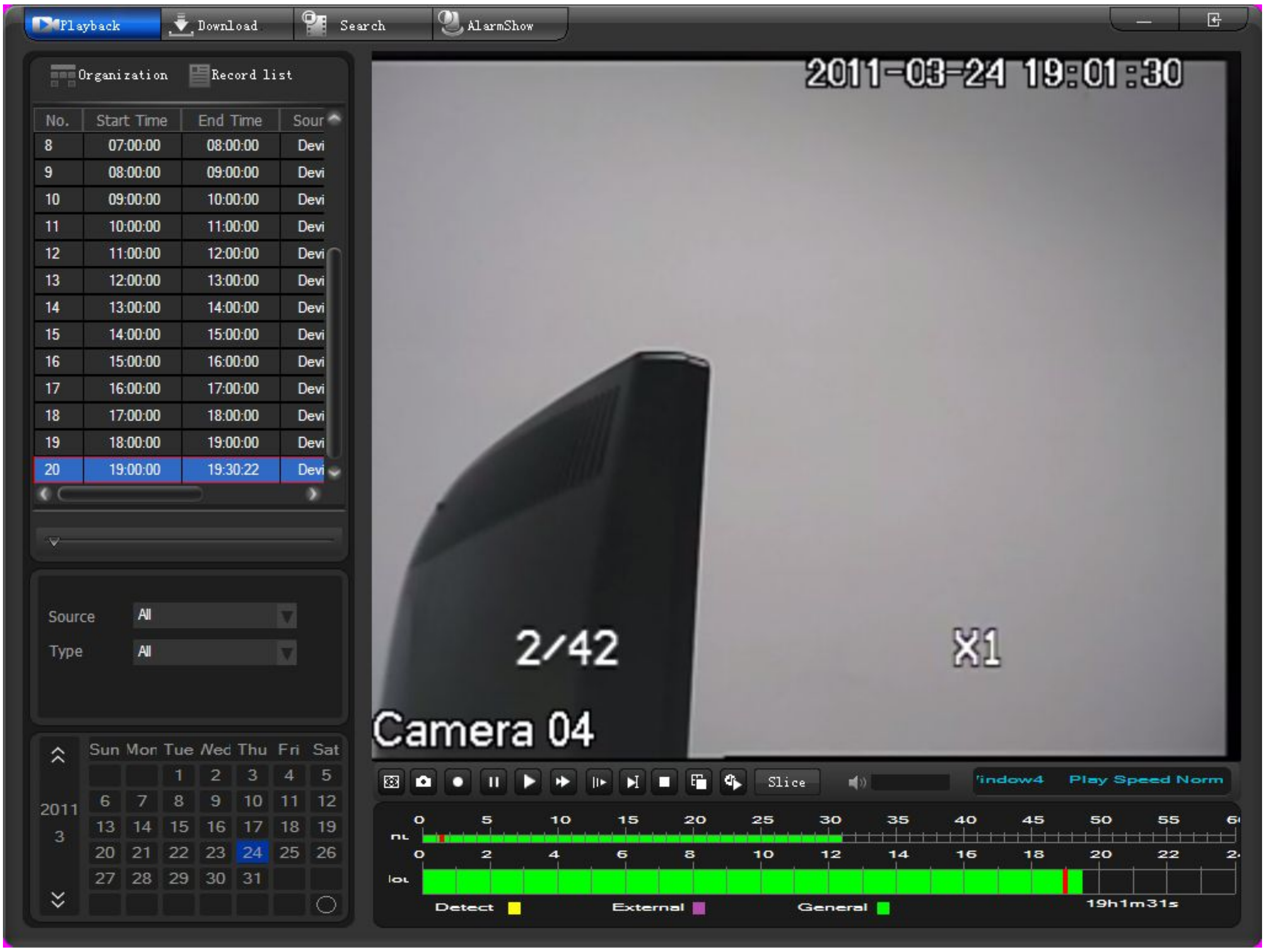



Diagram 6-14

## 6.2.2 SLICE

Click to operate on the records which have been searched out in the following interface. See "Diagram 6-15"

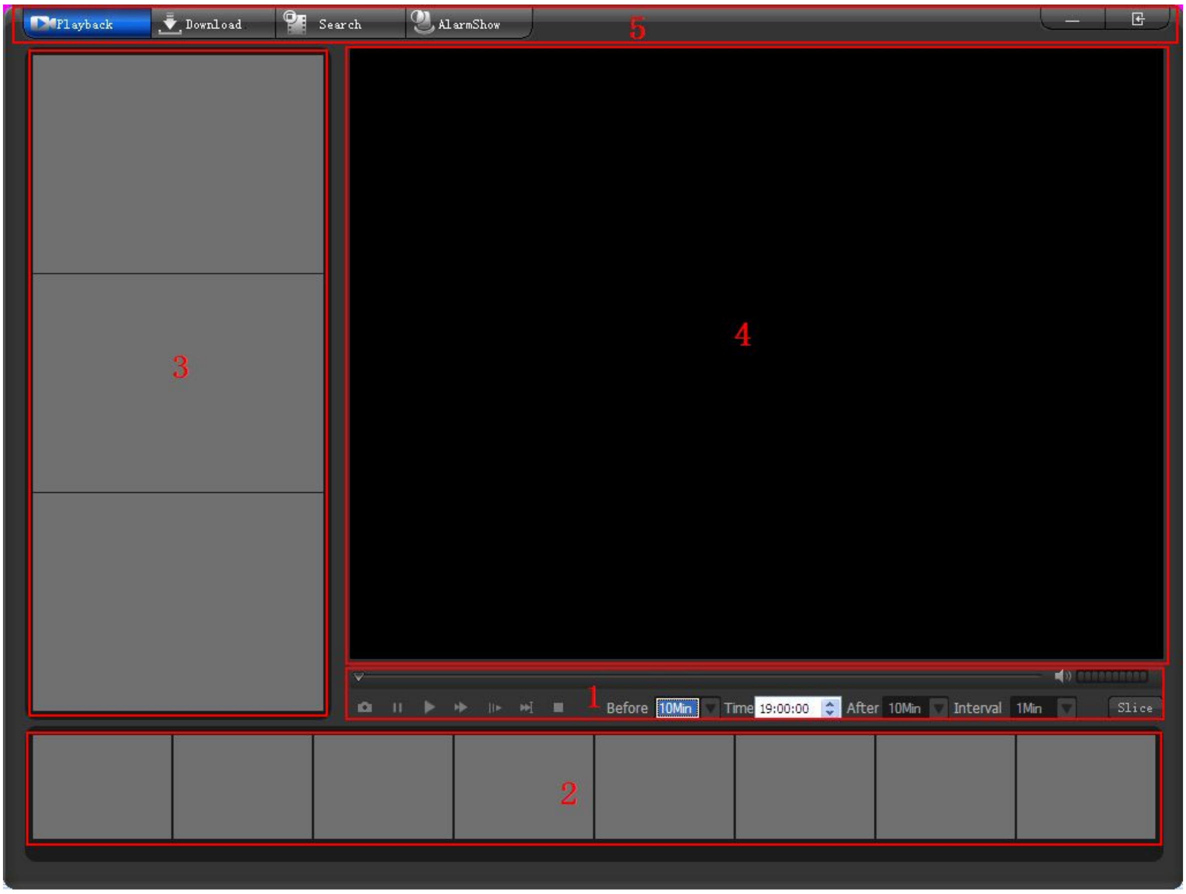



Diagram 6-15

1. Toolbar

The operations include snapshot, pause, play, fast, slow, single frame and stop.

Define the slice duration and it's previous or after time period. There are 1, 2, 5, 10, 15, 20, 30 minutes time length for selecting.

Note: the slice toolbar function and operation are similar with the records playback toolbar. Please consult that for reference.

2. Bottom slice image

Click  as you set the slice duration and previous or after time period. The system will automatically run the slice process according the setting. See "Diagram"




Diagram 6-16

The first eight slice image will be illustrated on the bottom. If the slice pictures are more than eight, there will be a floating arrow for scroll display.

3. Side slice image

Left single click image, the picture will be enlarged and display the previous and next slice image at the same time. See “Diagram 6-17”




Diagram 6-17

The selected image is displayed in the middle; the other two images are put as the time sequence.

4. Playback

Double left click the slice image to playback the record video from the time point of this slice. See “Diagram 6-18”

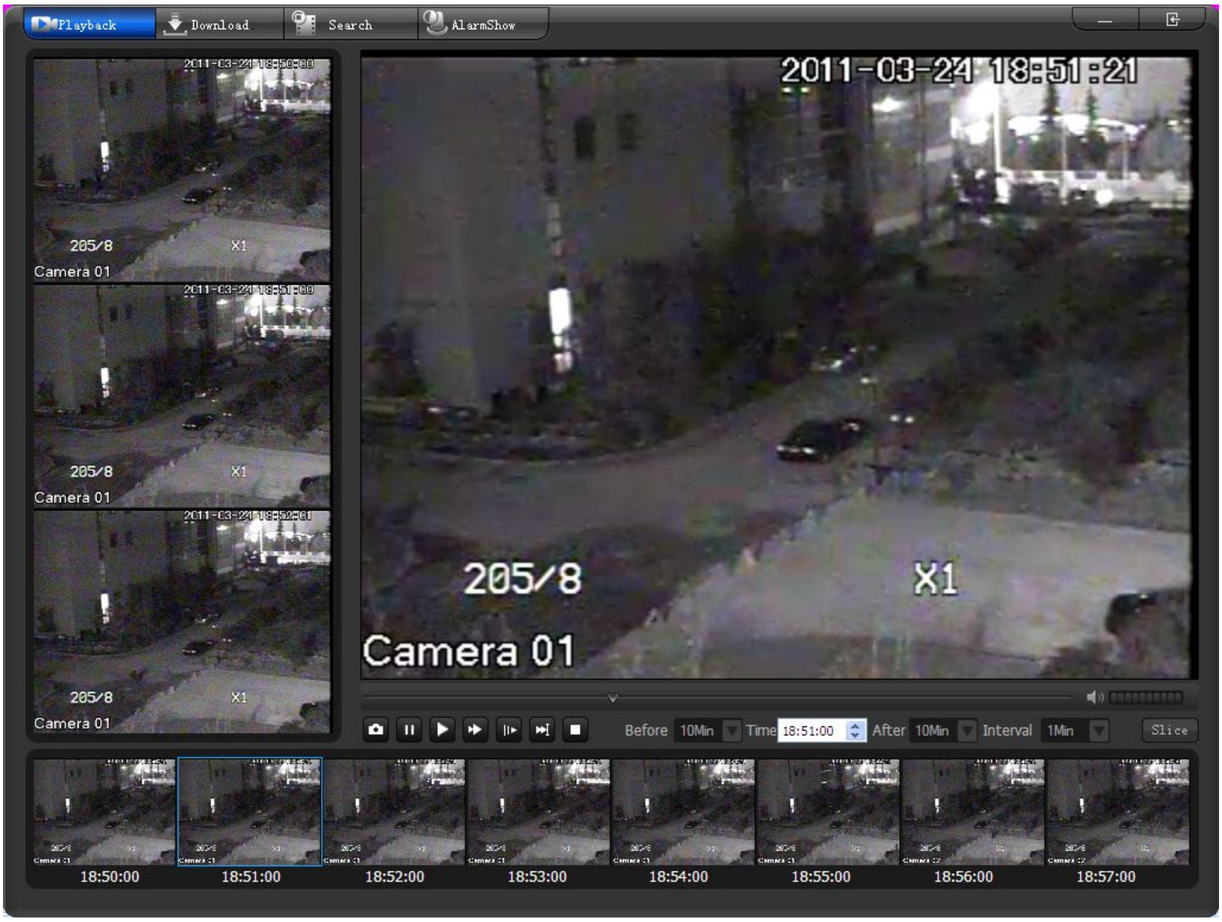


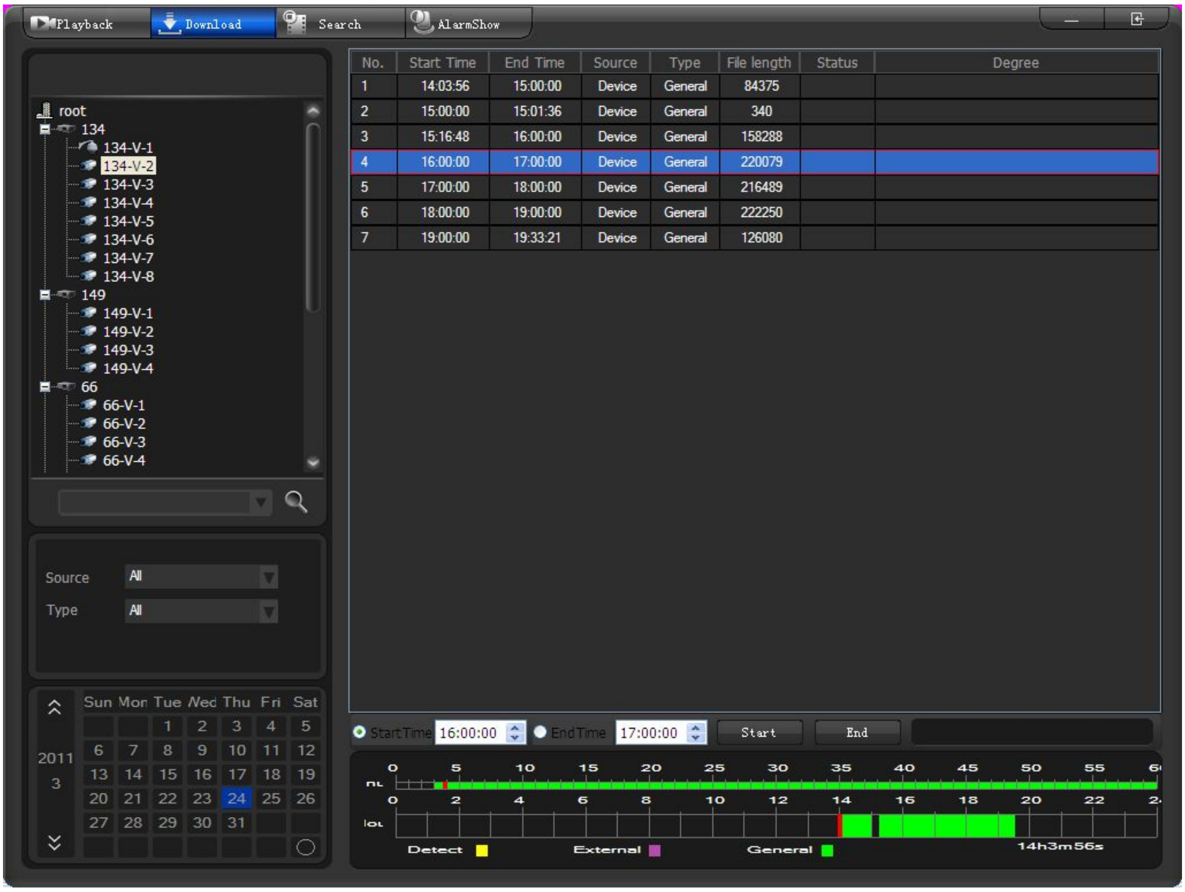

Diagram 6-18

5. Menu

Exit the video slice and switch to playback, download, video search and alarm page.

## 6.2.3 DOWNLOAD

Click  to turn to the [Download] interface. (See “Diagram 6-19”)




Return

Diagram 6-19

Select a camera in device list first, then define the record “source” (all, device, platform) and “type” (all, external alarm, motion detect, general record), at last double left click the records date to get the search results list. Select the record in the list directly or select by time that operate in the time slider. Right click or double left click to start the download. (See “Diagram 6-20”)




Diagram 6-20

Set the records path in [Local Set] interface, the record format is “.dad”.

“Diagram 6-21” shows the record loading progress.




Diagram 6-21

Input the start and end time, click to download all the records in this period. Click to stop download. (See "Diagram 6-22")




Diagram 6-22

---

Introduction: you cannot download and playback the same channel records at the same time. The system will stop the playback automatically when you start downloading.

---

## 6.2.4 SEARCH

Click to turn to the interface like the "Diagram 6-23" shows.

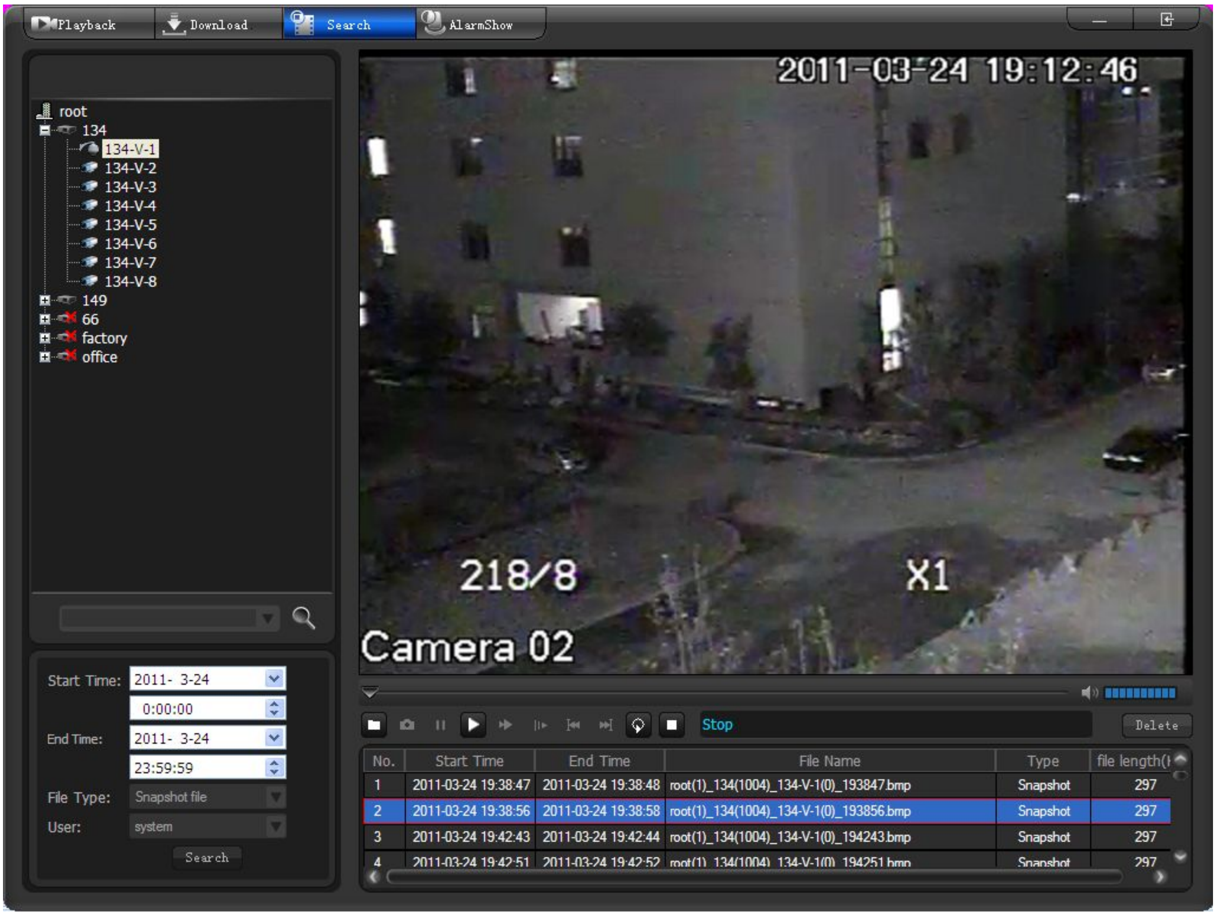



Diagram 6-23

Select a node or a camera in device list first, then define the "start time", "end time", "file type" (voice talk, local

record, snapshot file, download file) and “user”, at last click 【Search】 to get the results in the right bottom list.

You can play a record by “Play” button or double right click it. (See “Diagram 6-24”)

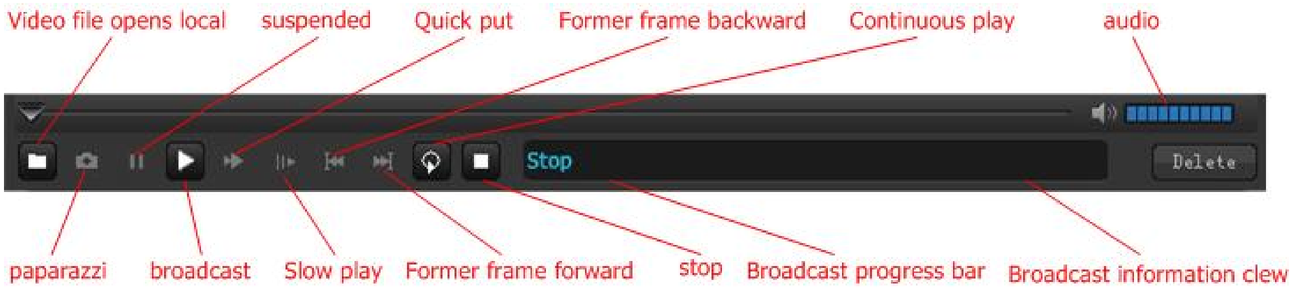



Diagram 6-24

You can recycle play the video records but not the snapshot files.

## 6.2.5 ALARM SHOW

Click to turn to the interface like “Diagram 6-25”.

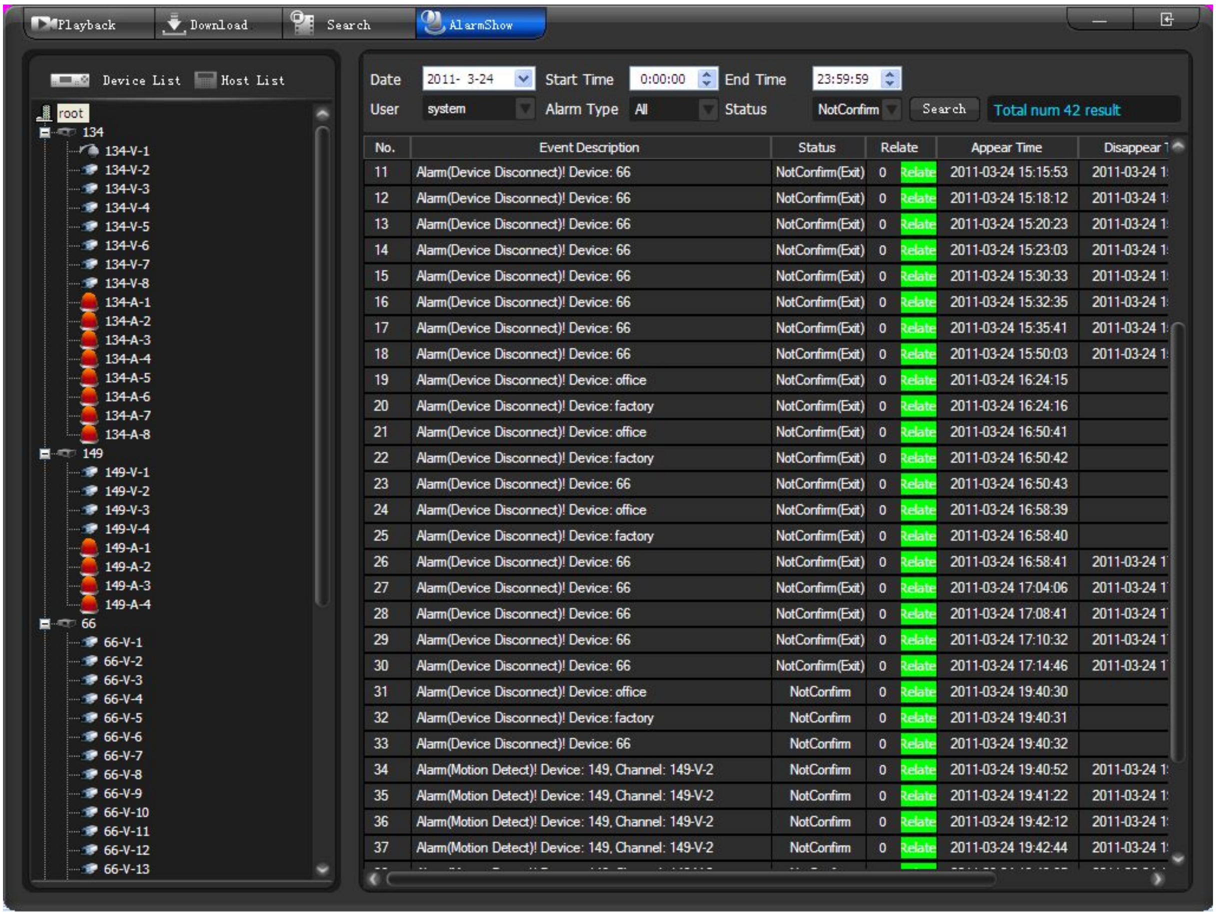



Diagram 6-25

Select a node or a camera in device list first; then define the "date", "start/end time", "user", "alarm type" (all, video loss, external alarm, motion detect, camera masking, device disconnection, host alarm) and "status" (not confirm, confirm); at last click 【Search】 to get the result list. The number of the required records shows in the blank following the 【Search】 button.

## 6.3 ALARM

The system supports six type alarms (video loss, external alarm, motion detect, camera masking, device disconnection and host alarm). As soon as the alarm occurs, the related device will automatically position and make reaction to the alarms. The alarm relate include sound, video, EMap, TV wall, output (SMS, voice message).

Click to pop up the interface like "Diagram 6-26".

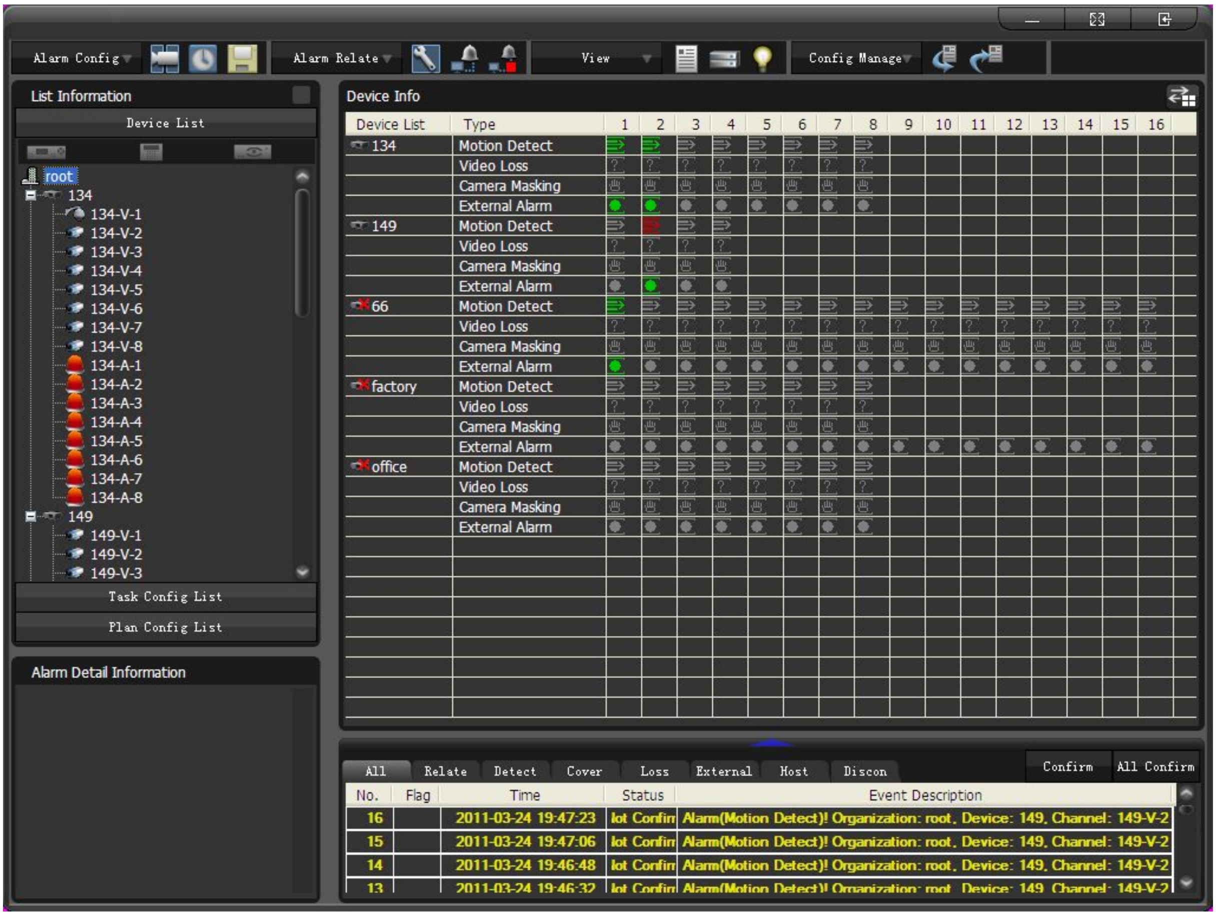



Diagram 6-26

Top: toolbar (See "Diagram 6-27")




Diagram 6-27

Stop all relate: stop all alarm relates

Import: import alarm configuration

Export: export alarm configuration

Confirm: confirm the alarm and stop all relates

Click  to change the device information format. Double left click a device to illustrate all the sub channels. You can rank the list by 【View】 on top--. (See "Diagram 6-28")

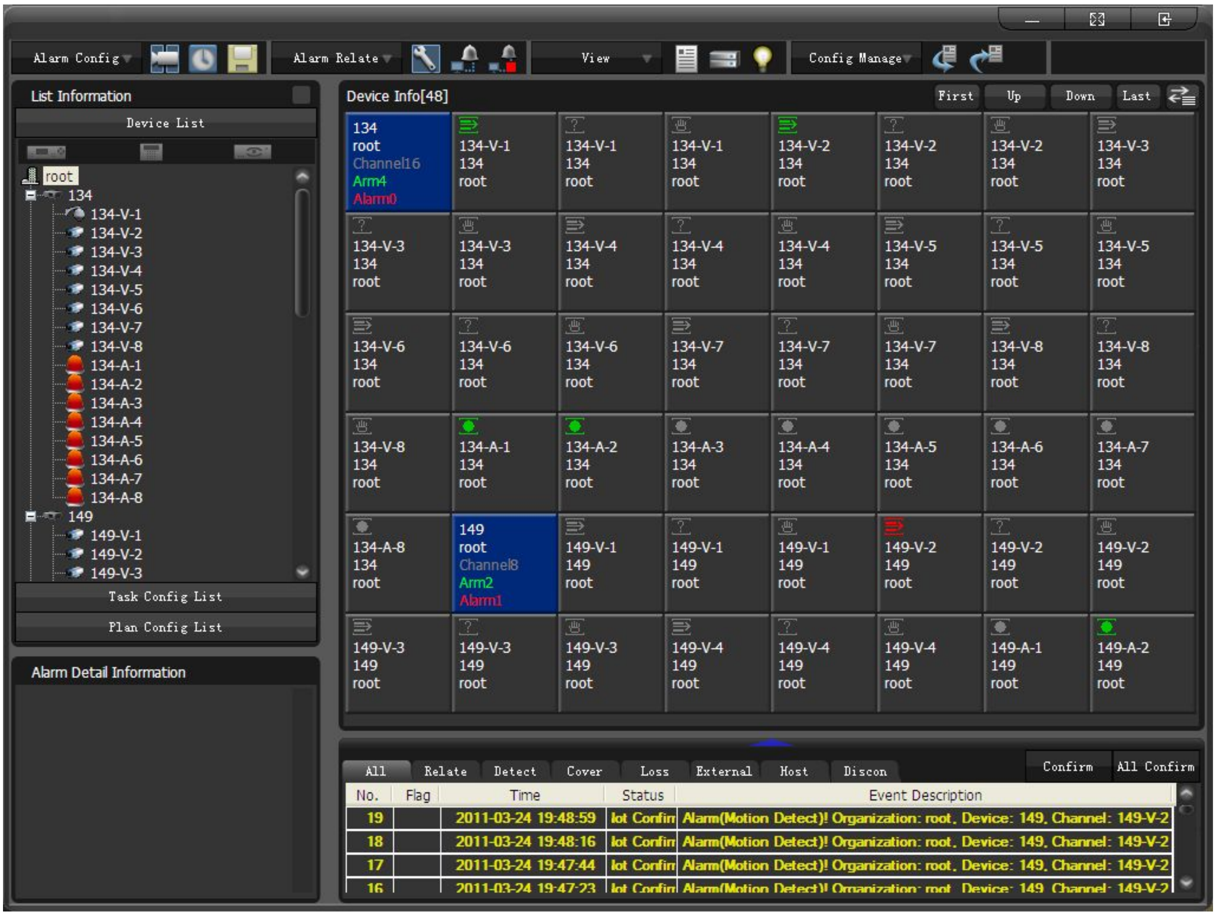



Diagram 6-28

Left: device list and alarm detail information

Right: device information

Right click on the alarm icon (

or 

) and preview the related.

Right click the blank to save the current status as an alarm task (

), or choose a rank type.

Bottom right is the event list. Click  to deploy the event list, like “Diagram 6-29”.

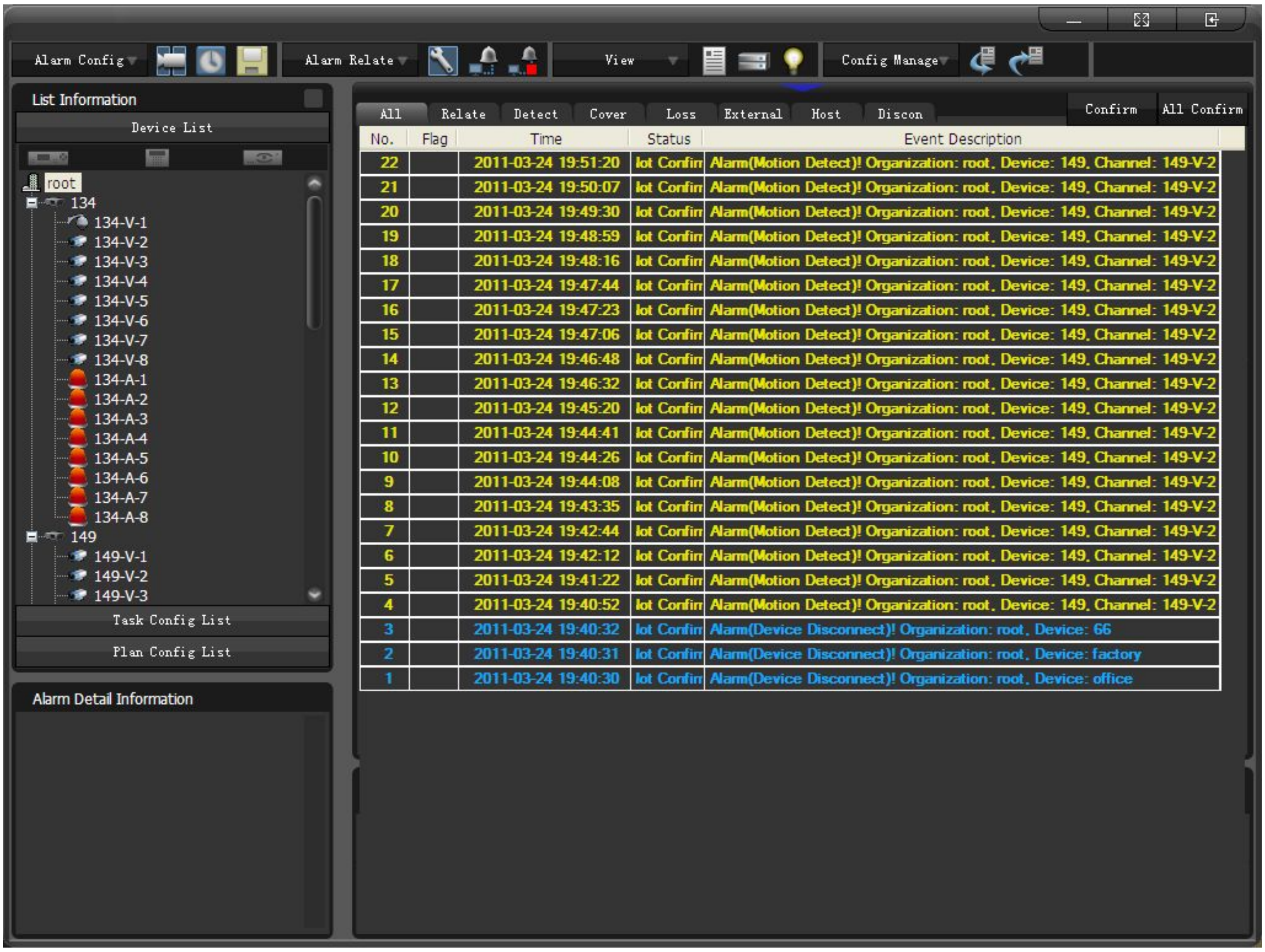



Diagram 6-29

Alarm configuration steps:

1. Task

There are FOUR methods to set task. The task icon will be in green as you set the task.

① manually right click on the camera/device/node to enable or stop the tasks.

② Select the alarm type in device list, e.g. Set the task for all the devices and alarm type of “134” group.

③ Right click on the alarm icons -- , , , to enable or stop the tasks.

④ set a task first and tick the items. This is the most convenient way to set the task.

Plan the time periods for different tasks. Please refer 6.3.1 TASK CONFIG, 6.3.2 PLAN CONFIG

---

Introduction: stop task is the same method as enable it.

---

2. Global config , please refer chapter 6.3.4 GLOBAL CONFIG
3. Relate config, please refer chapter 6.3.3 RELATE CONFIG

After you set the task, global config and relate config, the alarm icons on screens will be in red as alarm occurs. The alarm relates are:

- Sound: enable the function and select a audio file（format: .wav）
- TV wall: enable the function; the alarm video will be send to TV wall as the alarm occurs.
- Alarm interface: enable the function; the alarm interface will pop up as the alarm occurs. (See “Diagram 6-30”)

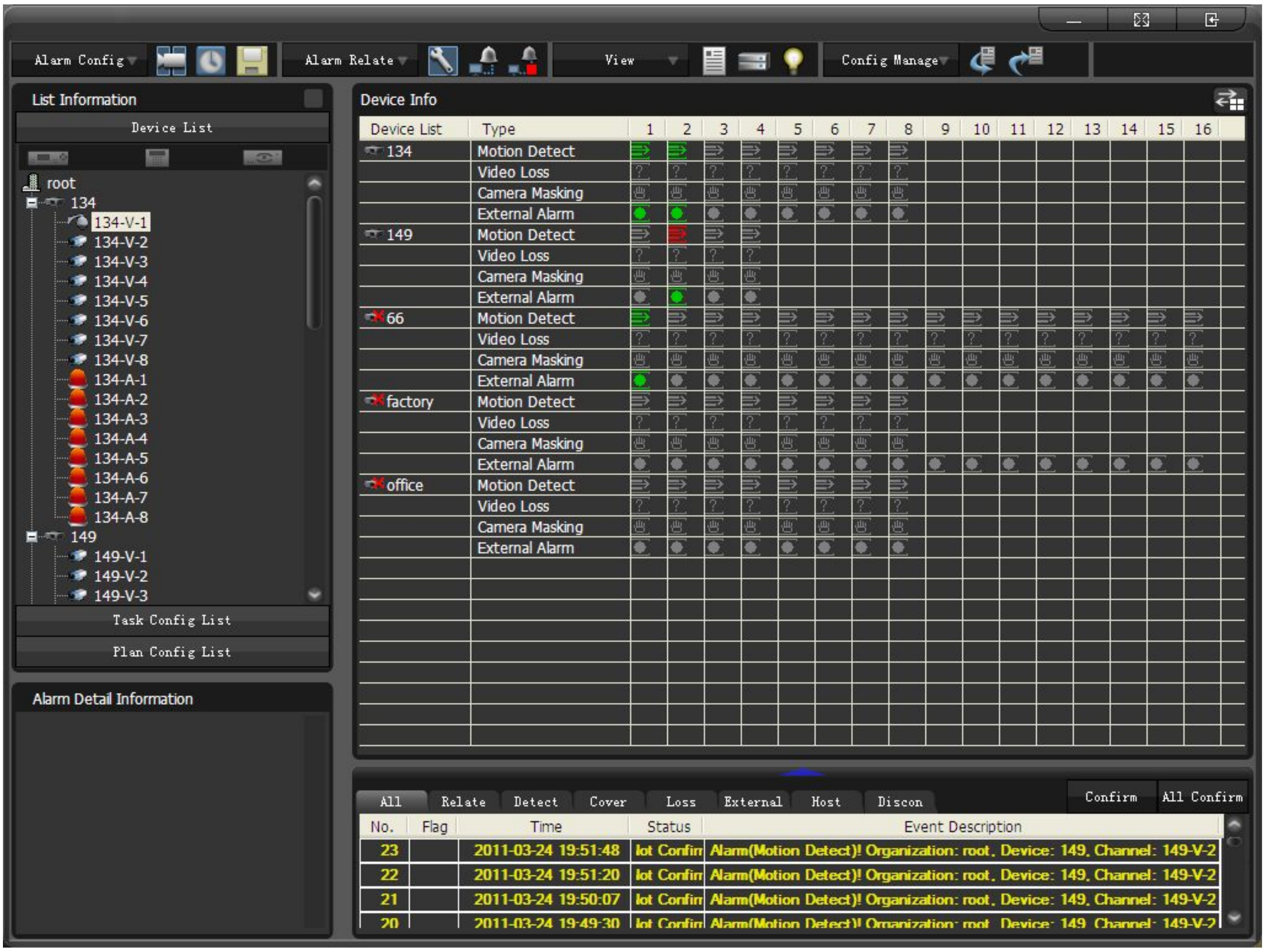



Diagram 6-30

Relate the alarm video, support maximum 4 channels. (See "Diagram 6-31")

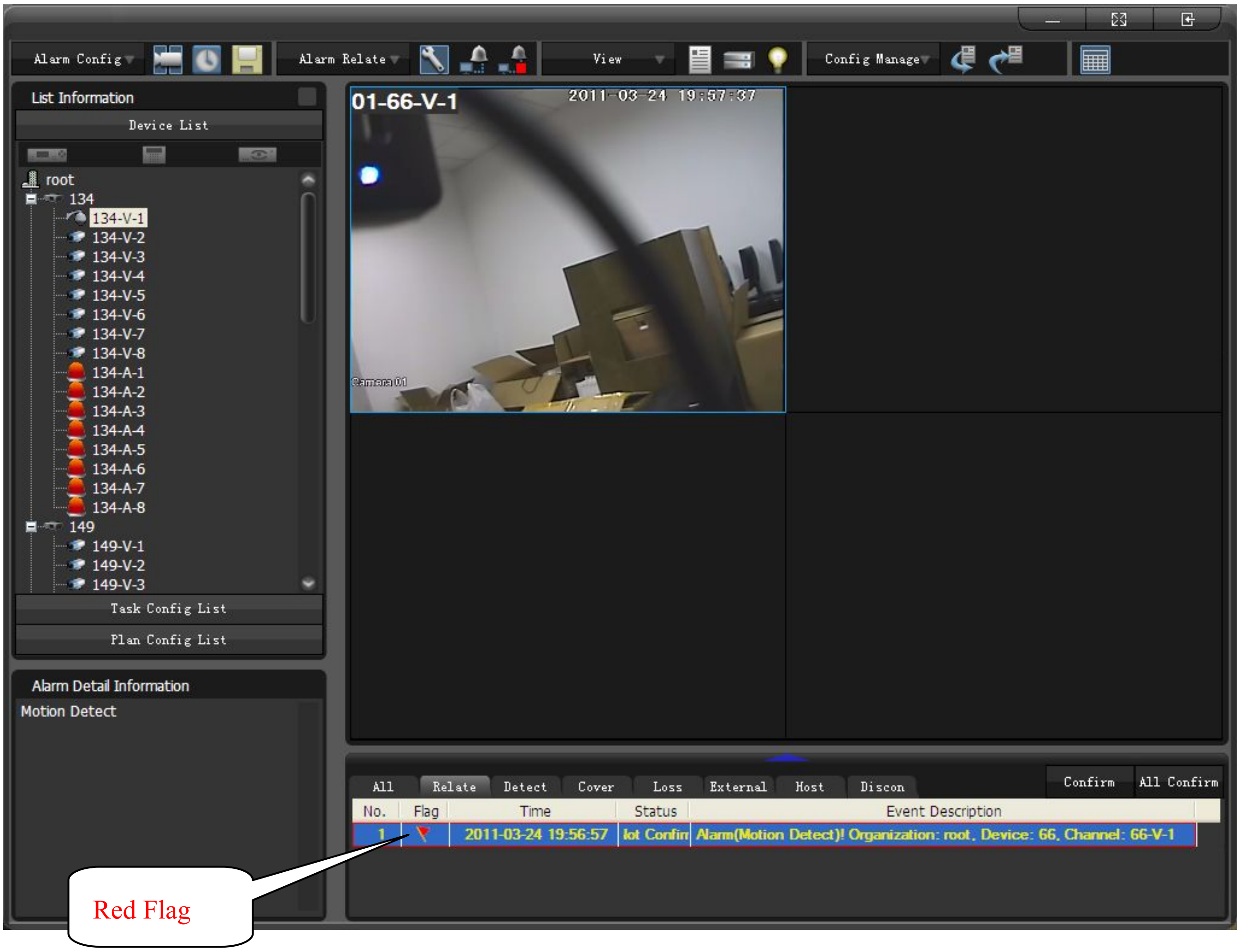



Diagram 6-31

On the popup screen, you can find a voice talk icon to apply this function. (See “Diagram 6-32”)




Diagram 6-32

---

Introduction:

1. The on playing relates video corresponding with the flag alarm record.

2. Double left click the alarm record to check the relate video when there are more than one alarms occur.

---

3. Turn to the next or previous video by down and up icon.

4. Click “Confirm” to end the video relates.

5. Double left click to full screen this window.

The alarm icon will show on the screen as the alarm occur




Diagram 6-33

: Motion detect; : video loss; : camera masking; : external alarm

If you set the alarm relates EMap, the map with alarm indicators will pop up when the alarm occur. (See “Diagram 6-34”)

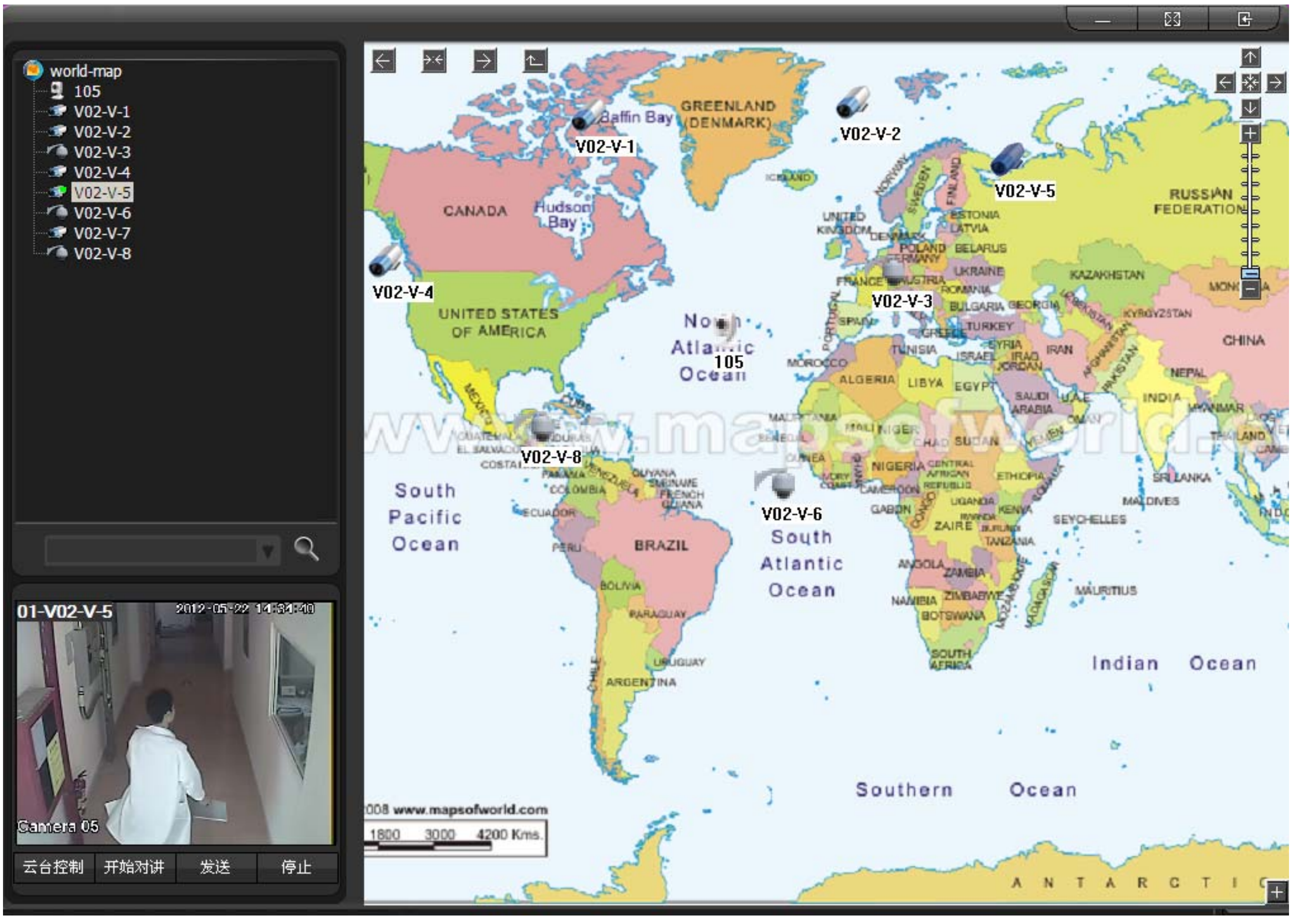



Diagram 6-34

●SMS output and talk output are selectable. Alarm records will be sent to your phone by SMS or output by sound device.

---

Introduction: you have to install DMSS and alarm output software for alarm SMS output.

---

## 6.3.1 ALARM TASK CONFIG

Click 【Alarm】-> 【Task Config】 to pop up the interface as "Diagram 6-35".

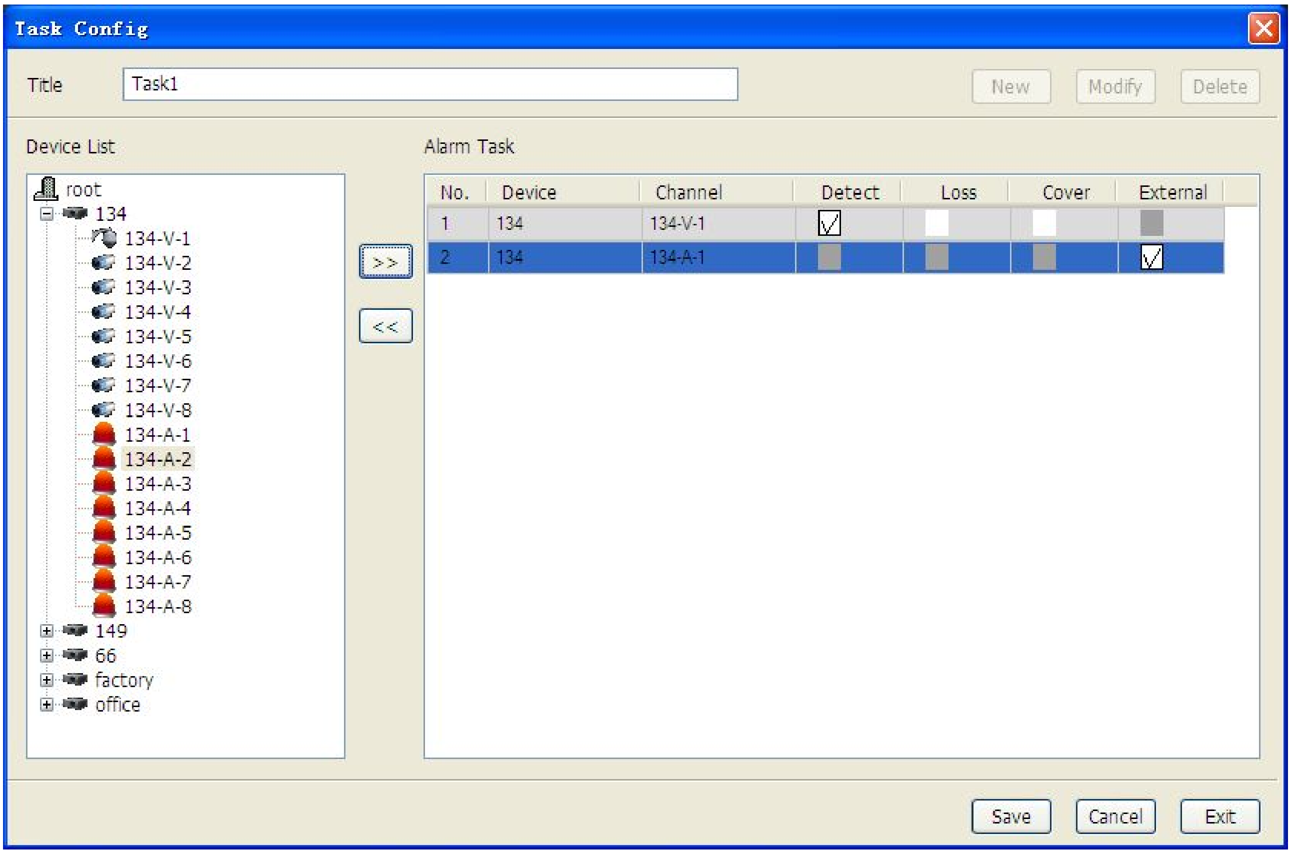



Diagram 6-35

Click 【New】 to name a task; then select devices for alarm task by  button; at last save the configuration as a new task.

Click to edit and enable the alarm type.

Click 【Delete】 to delete a task.

---

Introduction: the running tasks are still valid after you restart the system.

---

## 6.3.2 ALARM PLAN CONFIG

Set plans to apply the tasks in particular time periods.

Click 【Alarm】-> 【Plan Config】 to pop up the interface as “Diagram 6-36”.

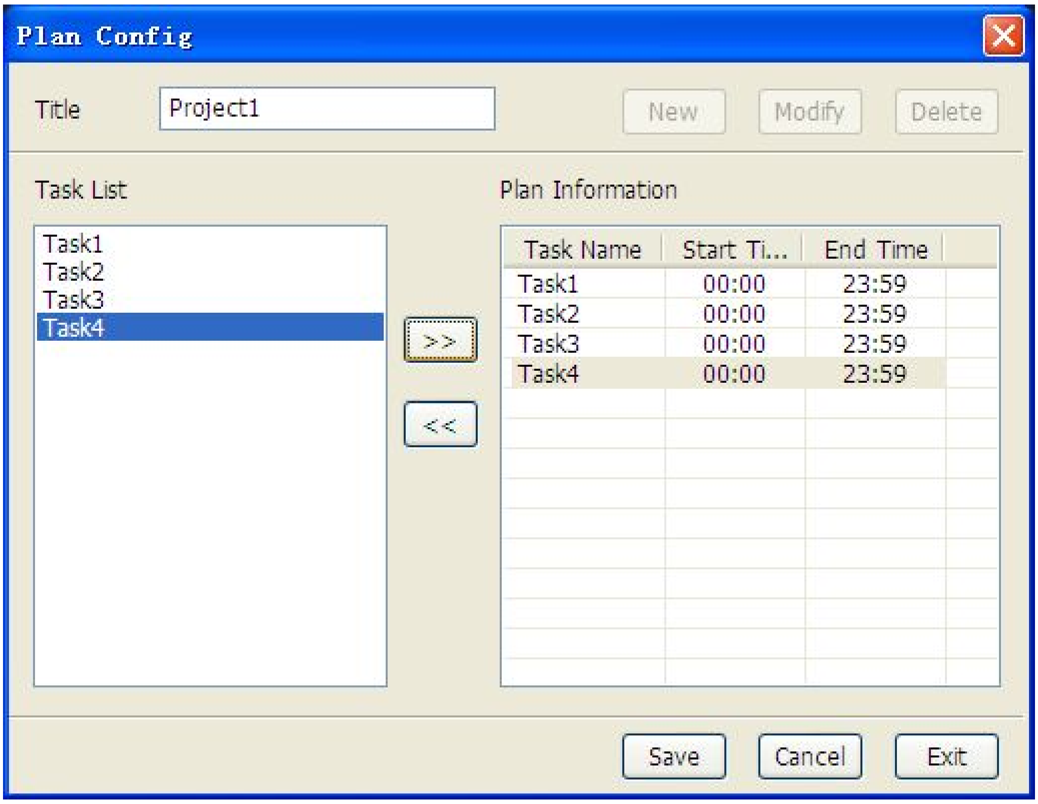



Diagram 6-36

Plans will be automatically canceled when all the tasks are canceled.

## 6.3.3 RELATE CONFIG

Click 【Alarm】-> 【Relate Config】 to pop up the interface as "Diagram 6-37".

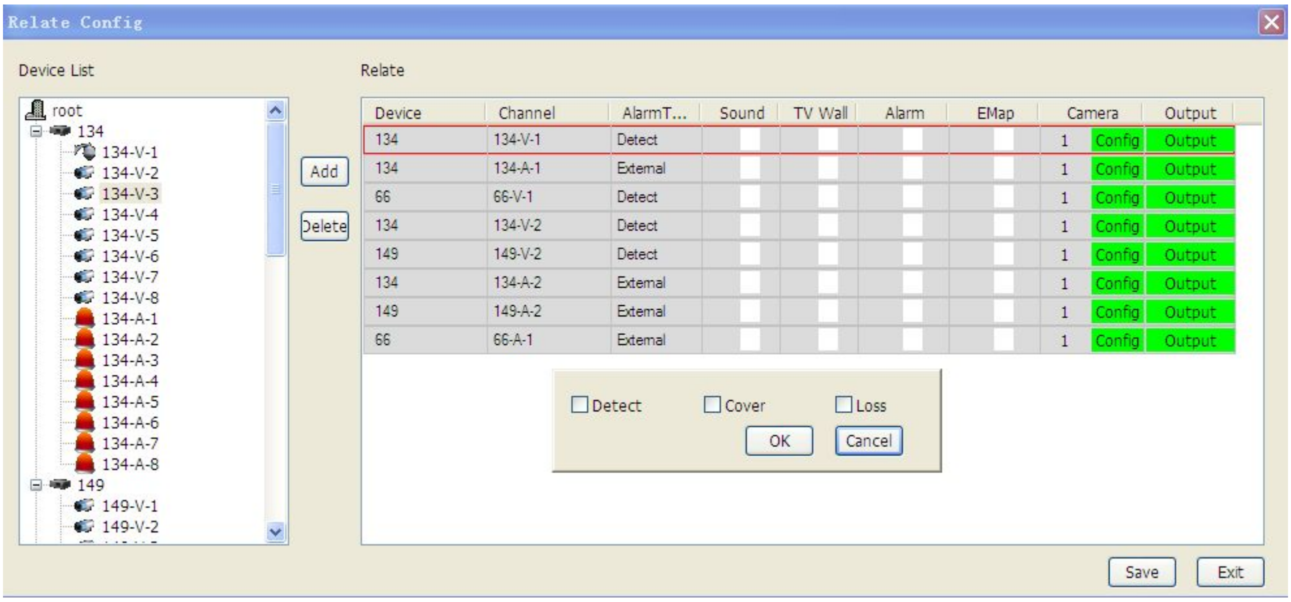



Diagram 6-37

Select the device in list and add it to the relate. (See “Diagram 6-38”)

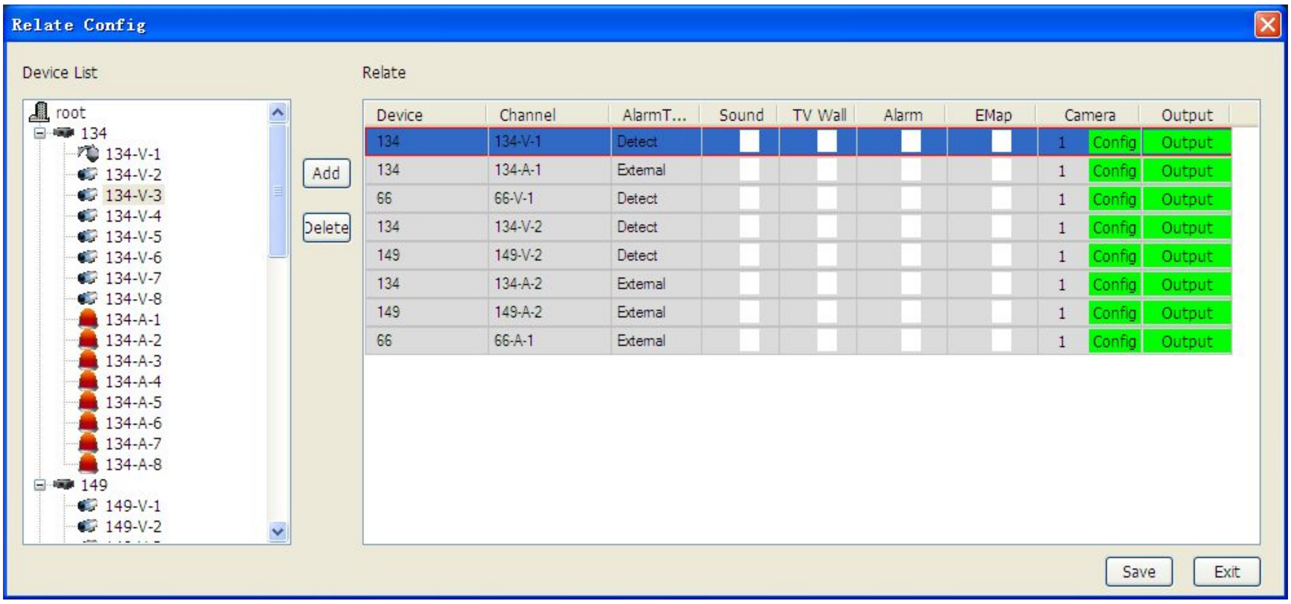



Diagram 6-38

Tick the alarm type which include sound relate, TV wall relate, EMap relate and alarm interface relate.

Click the camera 【Config】 to pop up the window like “Diagram 6-39”.

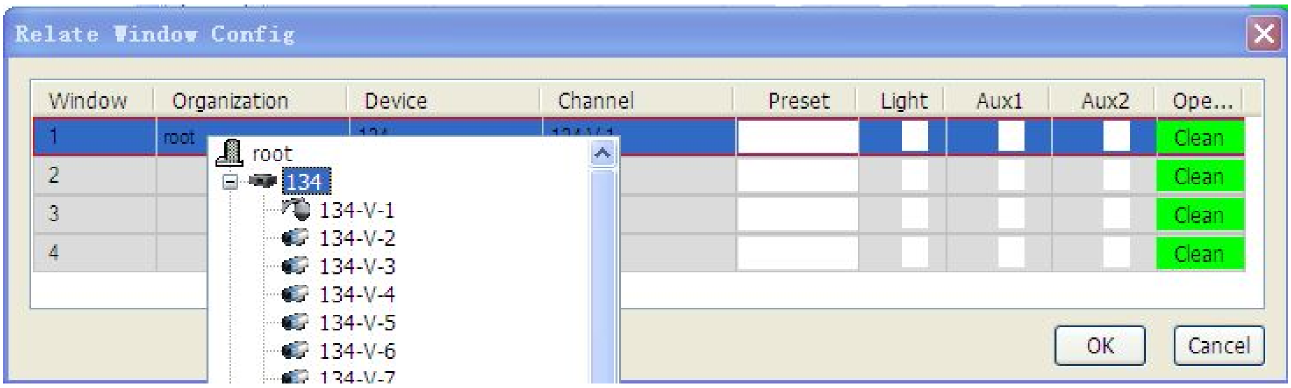



Diagram 6-39

Click the 【Output】 to configurate the SMS output and talk output. (See "Diagram 6-40")

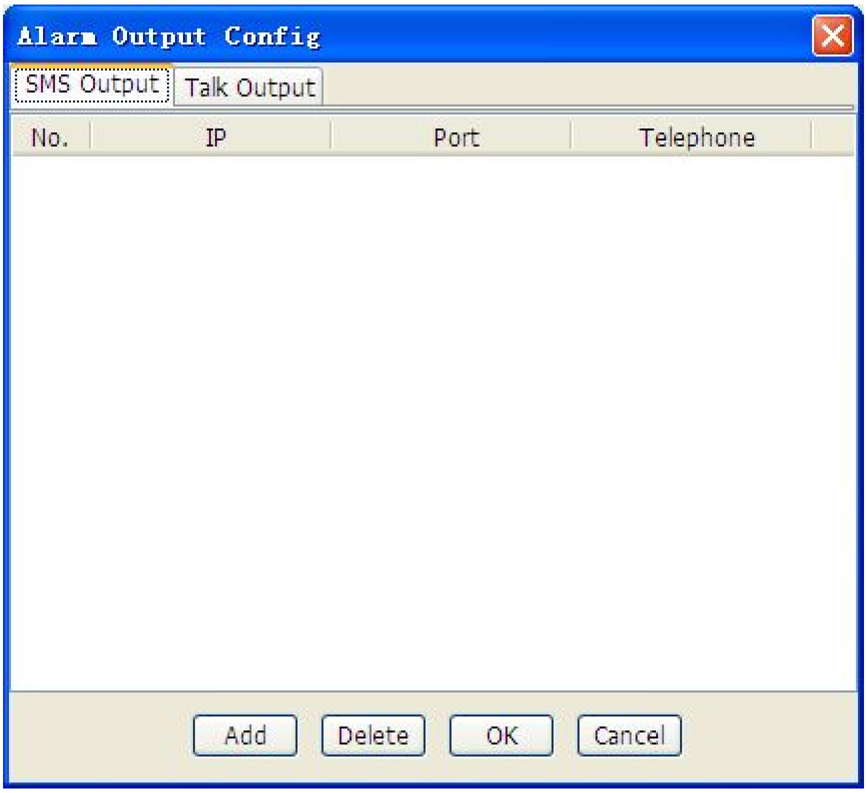



Diagram 6-40

## 6.3.4 GLOBAL CONFIG

Click 【Alarm】->  【Global Config】 to pop up the following interface which include motion detect, cover, video loss, external alarm, host alarm and disconnection alarm.

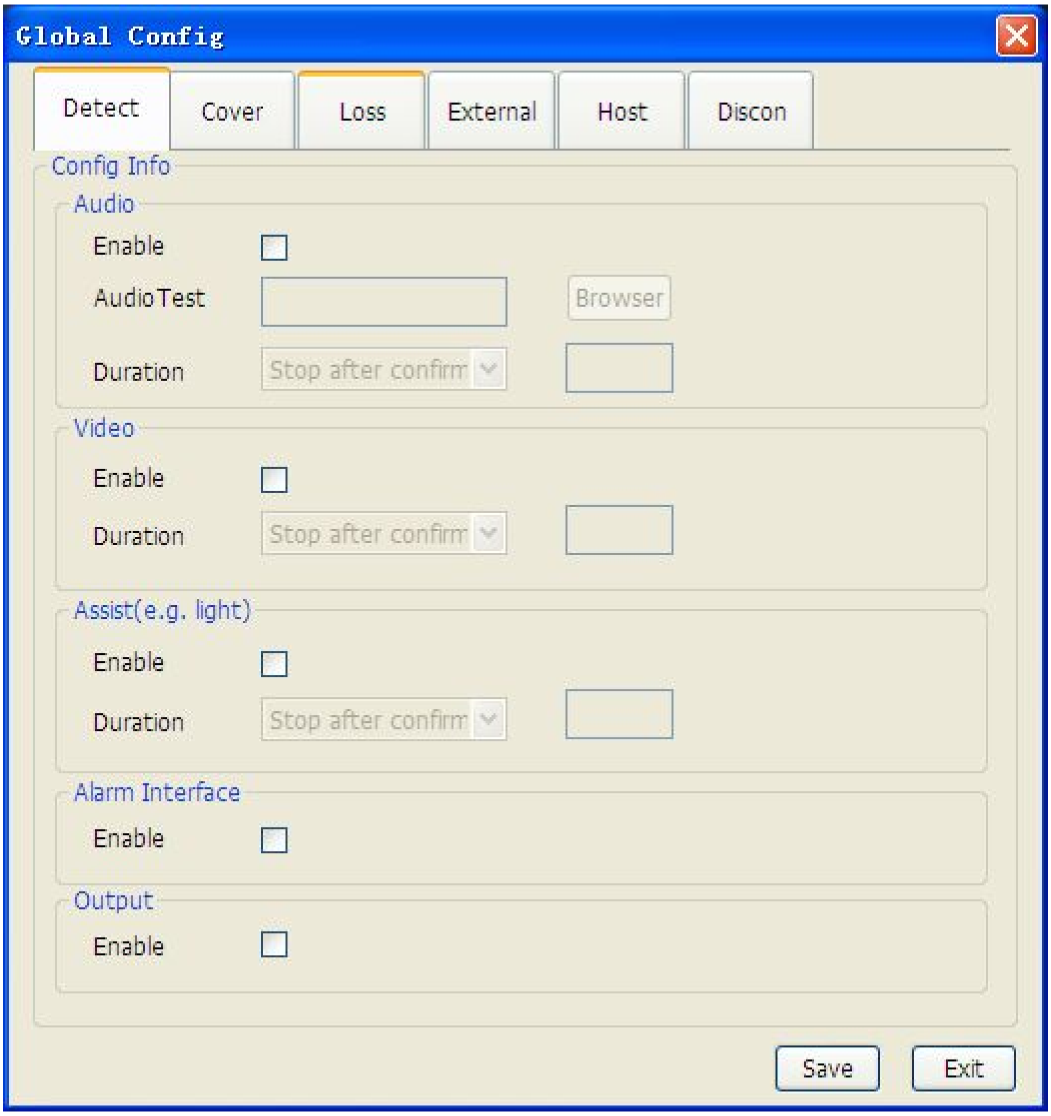



Diagram 6-41

Audio: enable or disable the function. You can select sound and set duration. The audio format is WAV.

Video: enable or disable the video relate. Set popup video duration.

Assist (e.g. light): enable or disable the assist devices and set the devices start time

Alarm interface: enable the popup alarm interface

Output: enable or disable the alarm output

Introduction: global config aim to the whole system. You have to enable the alarm relate and then set the SMS and talk output.

## 6.4 PTZ CONTROL

Open the PTZ interface of authority camera to set step, zoom, focus, iris, preset, auto tour, aux and etc. Click【 PTZ Ctrl】 to open the toolbar as "Diagram 6-42".




Diagram 6-42

Introduction: PTZ function is available for PTZ authority.

Description

| Control | Explain |
|---|---|
| Direction key 8 direction | Up， down， left， right， upper left， upper right， lower left， lower right |
| SIT | Single click on screen and position this point to the centre |

| | |
|---|---|
| | Support 1-36 zoom in/out function enlarge the selected screen by dragging bottom-up, vice versa.(only controlled by mouse) |
| Simulate joystick | Enable the function, control the step and camera movement by simulate joystick. Scroll wheel control the camera zoom. |
| Step | There are 1-8 degrees |
| Zoom | Control the camera zoom |
| Focus | Modify the definition |
| Iris | Modify brightness |
| Preset | When Pan/Tilt moves to the target position, input the preset number and save it. |
| Auto tour | Auto tour lines |
| Aux | Light on, light off |

Form 6-2

## 6.4.1 PRESET

Click 【PTZ】-> [PRESET] ->【Setup】 in menu to pop up the preset window like "Diagram 6-43". Input the number, name and save this preset.




Diagram 6-43

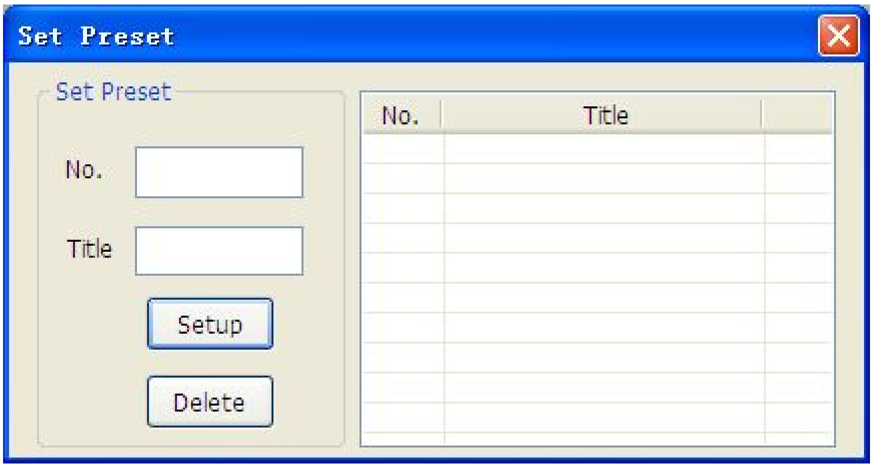



Diagram 6-44

Introduction: preset number is 1-128, the name could be in number, letter or symbol, the minimum length is 16 characters.

Select a preset and click 【Delete】 to cancel it.

Back to PTZ control, select preset form list like “Diagram 6-45” then click 【Go To】 to control the camera motion.

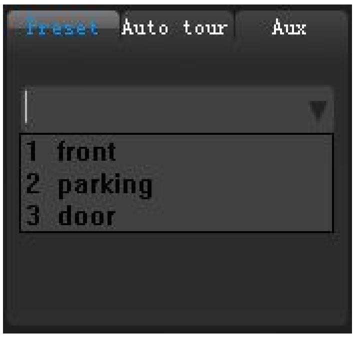



Diagram 6-45

## 6.4.2 AUTO TOUR

Click 【PTZ】-> [CRUISE] ->【Setup】 to pop up the auto tour window like “Diagram 6-46”.

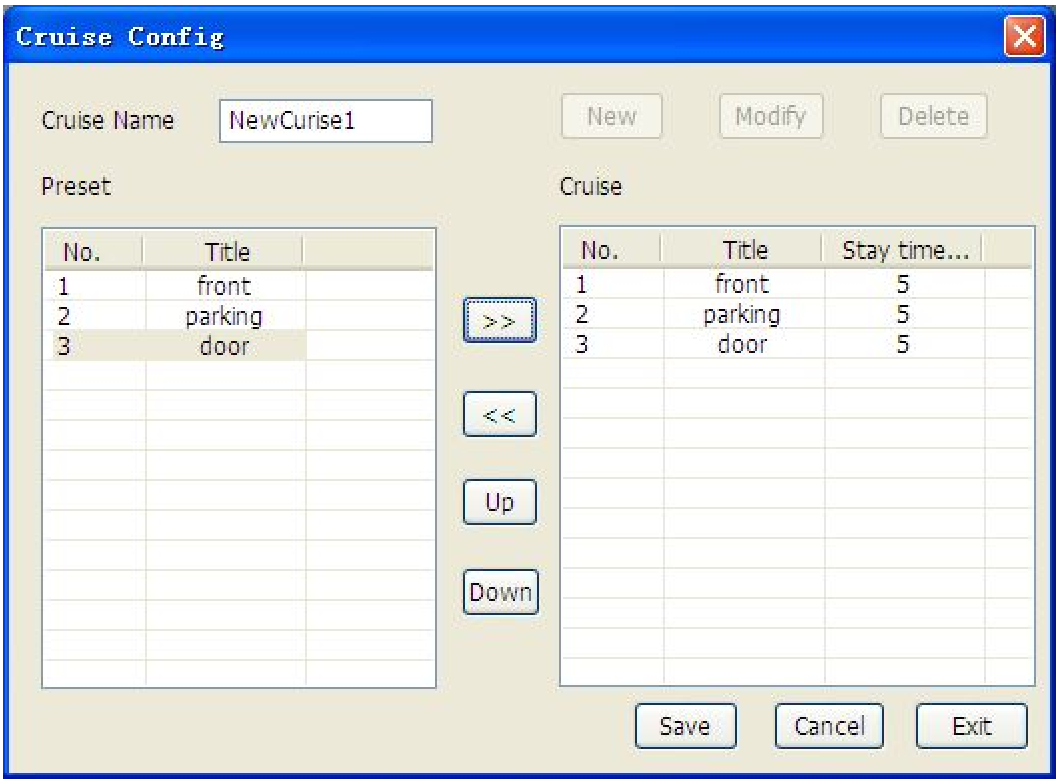



Diagram 6-46

Click 【New】 to add tour. (See "Diagram 6-47")

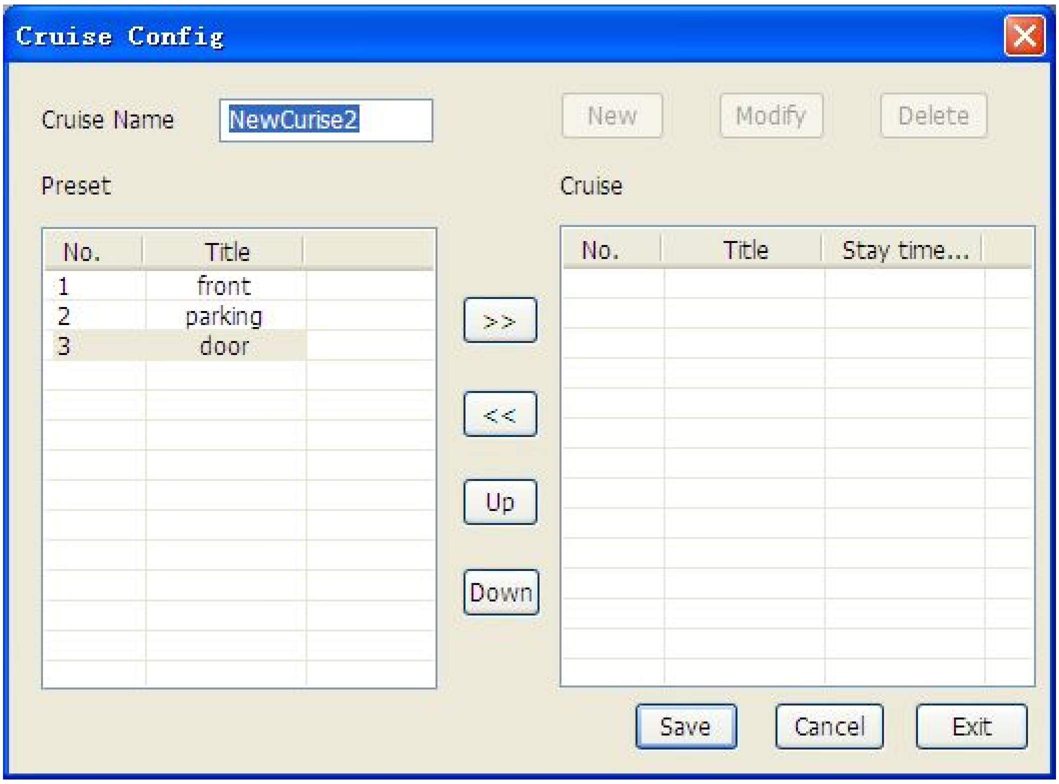



Diagram 6-47

① Tour name, can be modified.

② Select preset in list and add it into tour by . The maximum presets are 100 in one tour.

③ double left click stay time to modify, the limit is 3-6000 seconds. The default is 5 seconds.

④ select a preset in tour and click to cancel it from this tour.

⑤【Up】 and 【Down】 is used for change the presets sequence and the tour line.

⑥ click 【Save】 to complete the setting

The operation of 【Modify】 is the same as add a new tour

【Delete】 is used for delete a tour

Click 【Exit】 to quit

---

Introduction: you can add several presets into tour at once.

---

In PTZ control, select a tour (See “Diagram 6-48”) and click “Go Preset” to execute the tour.




Diagram 6-48

---

Introduction:

1. PTZ is on working for dome or rotatable camera; it is useless for normal camera

2. You need authorization to apply this function

---

## 6.5 MONITOR PROJECT

The operations in monitor project include task and plan config; pause and resume project; import and export; run and stop tasks.

## 6.5.1 TASK CONFIG

"Task" is the sub item of "Save" in screen contact menu. (See "Diagram 6-49")

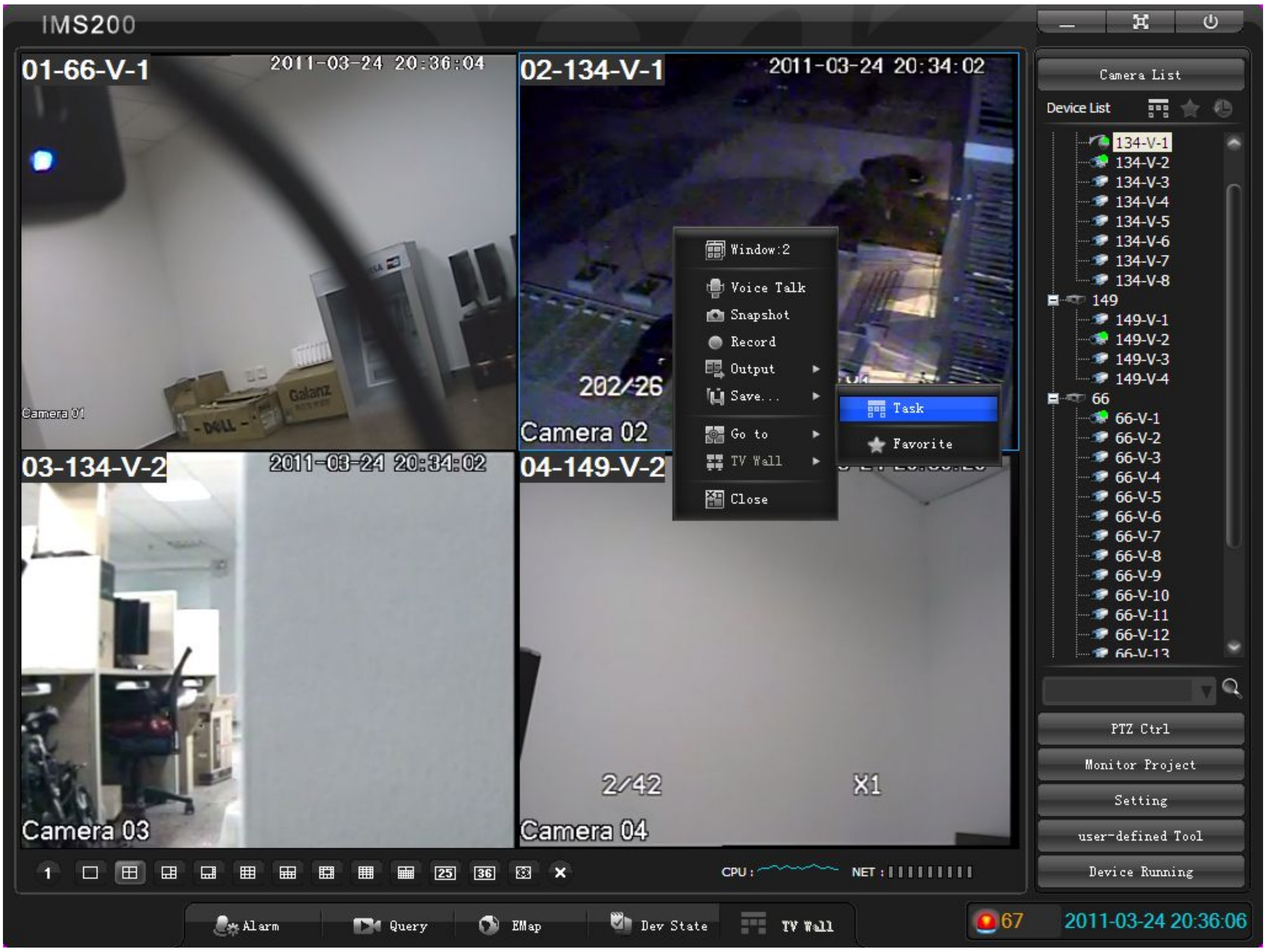



Diagram 6-49

Add new task:

In the popup window, firstly input the task title and select the screen number (1,4,6,8,9,13,16,20,25,36), then select the node or device and add it into the task sub item by , at last, click save to complete the operation.

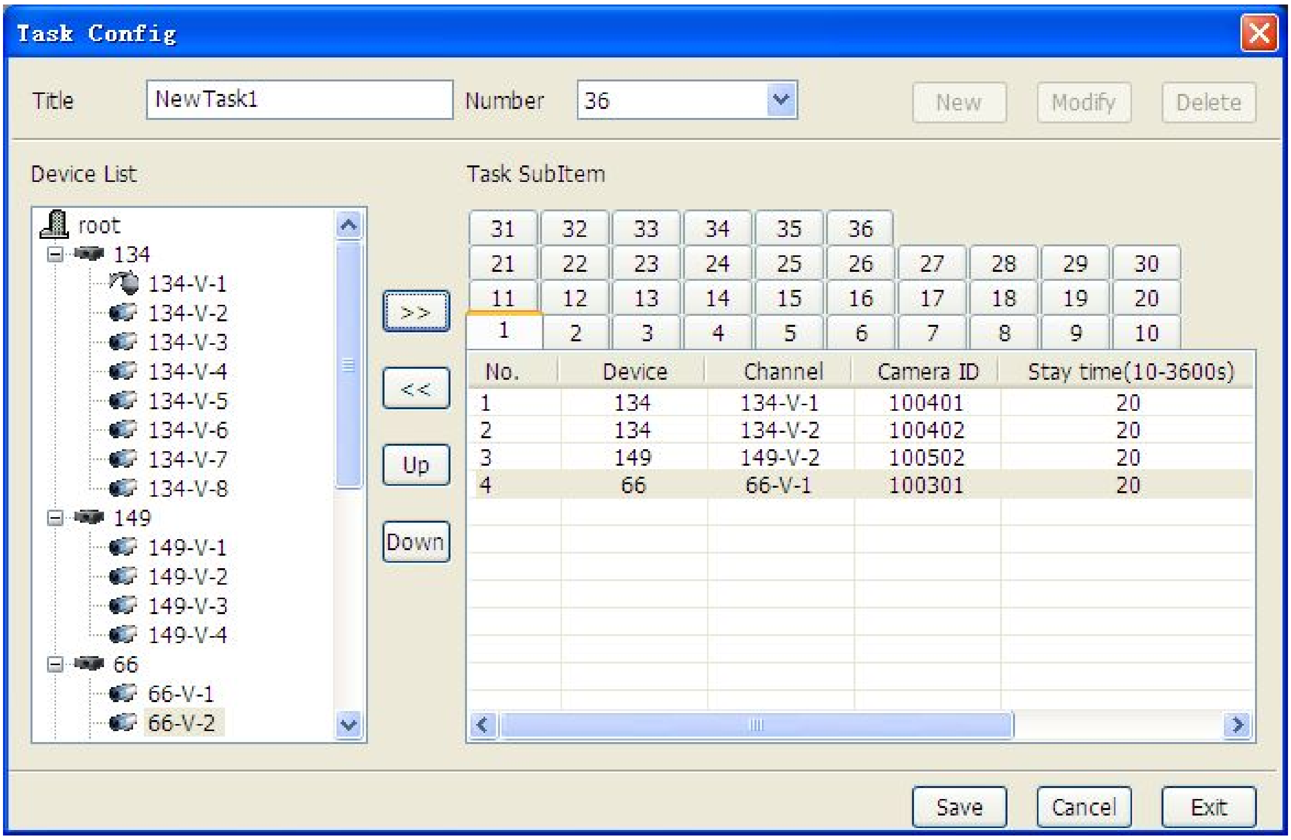



Diagram 6-50

All the channel information is listed in the task sub item, like the device, channel, camera ID, stop duration (10-3600s), preset (1-128) and stream. On the contrary, click [ >> ] to cancel the channel from tasks.

New: add a new task

Modify: modify the task configuration

Stay time: the default is 20 seconds. Double left click to modify the time between 10-3600 seconds.

Preset: double left click to add preset number

Save: save the configuration

Cancel: cancel the select item

Exit: quit this window

Introduction:

1. There are maximum 100 devices in one task

2. Select a node to add all devices in this node into the task

3. Modify one stay time and apply this time to all in context menu

## 6.5.2 PLAN CONFIG

"Diagram 6-51" is the [Plan Config] interface. Click "Add" and modify the plan parameter like title, task start/end time. You can put the exist tasks into the plan.

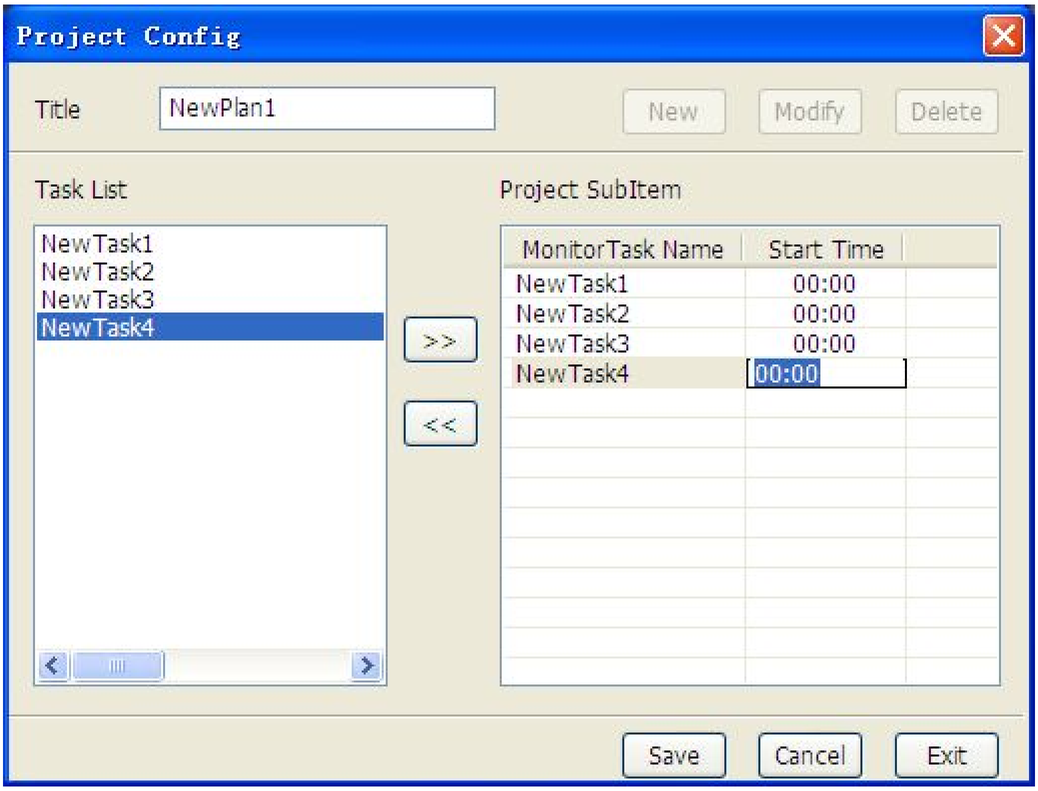



Diagram 6-51

Add several tasks into one plan, set the start and end time to make a cycle execution.

Modify: modify the plan configuration

Delete: delete a plan

Exit: quit this window

---

Introduction: 1. there are maximum 100 tasks in one plan

---

In monitor project interface, tick the task to carry out.

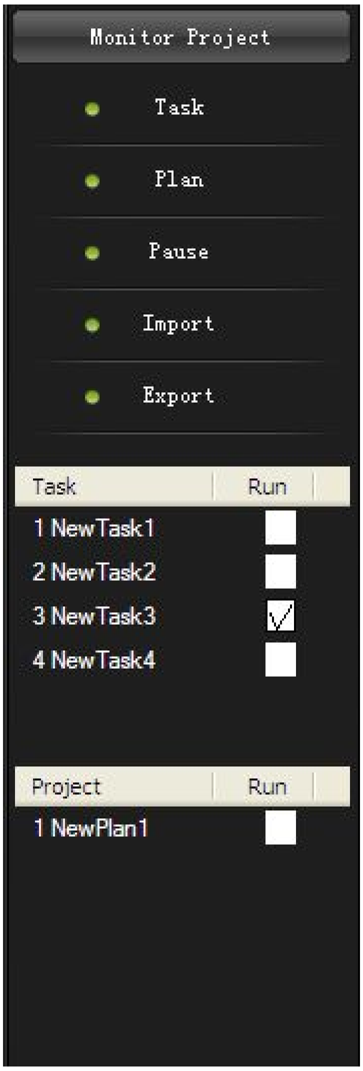



Diagram 6-52

Pause: pause and resume the running project

Import: import tasks and plans list

Export: export tasks and plans list

---

Introduction: the monitor project configuration is kept in local. Copy the configurations between devices by import and export data.

---

## 6.6 EMAP

EMap is used for showing the alarm and device locations. “Diagram 6-53” shows the EMap interface

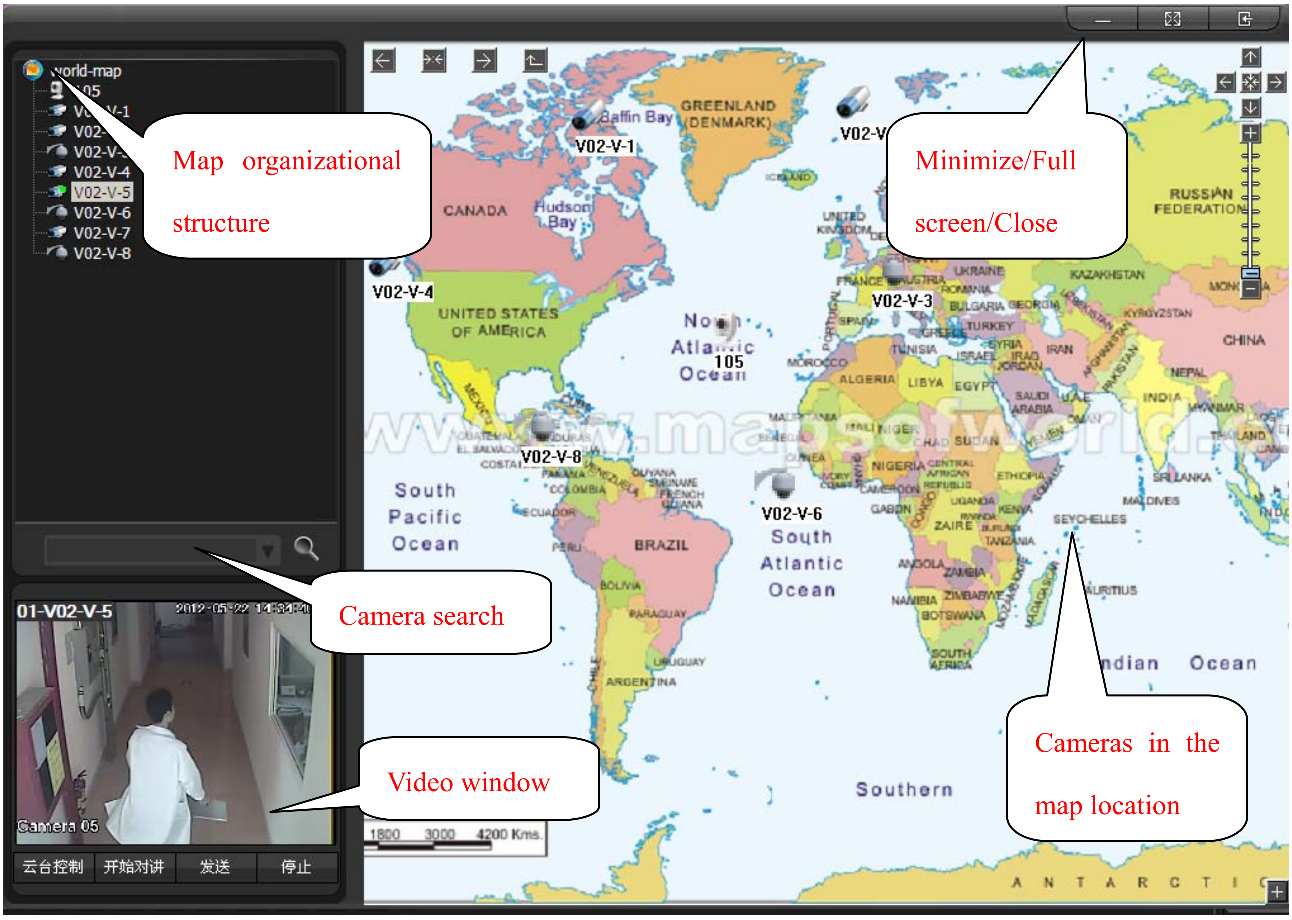



Diagram 6-53

Upper left: organize structure

Left bottom: screen

Right: map

There are camera icons, alarm icons and the next level map icons on the map window.

Double left click the next level map icon to turn to that map.

Single clicks the camera in organize structure to get the camera location on map. Double left click the camera in list or on map to play the live view in left bottom screen.




Diagram 6-54

Double left click the screen to turn to the full screen mode; double left click again or press “ESC” to quit.

【PTZ Control】: control the camera motion

【Talk】: talk with front–end device

【Send】: send the video to playback window

【Stop】: stop the video playing

: minimize the map

: full screen the map. The icon with green highlight in “Diagram 6-55” is the full screen quit button



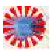

Diagram 6-55

: close the map

---

Introduction:

1. zoom in/out by scroll wheel

2.  : alarm occur  : camera unconnected  : device alarm occur  : device unconnected

---

## 6.7 DEVICE STATE

[Dev State] shows the current stream, motion detect, camera masking, video loss, external alarm states.

(See “Diagram 6-56”)

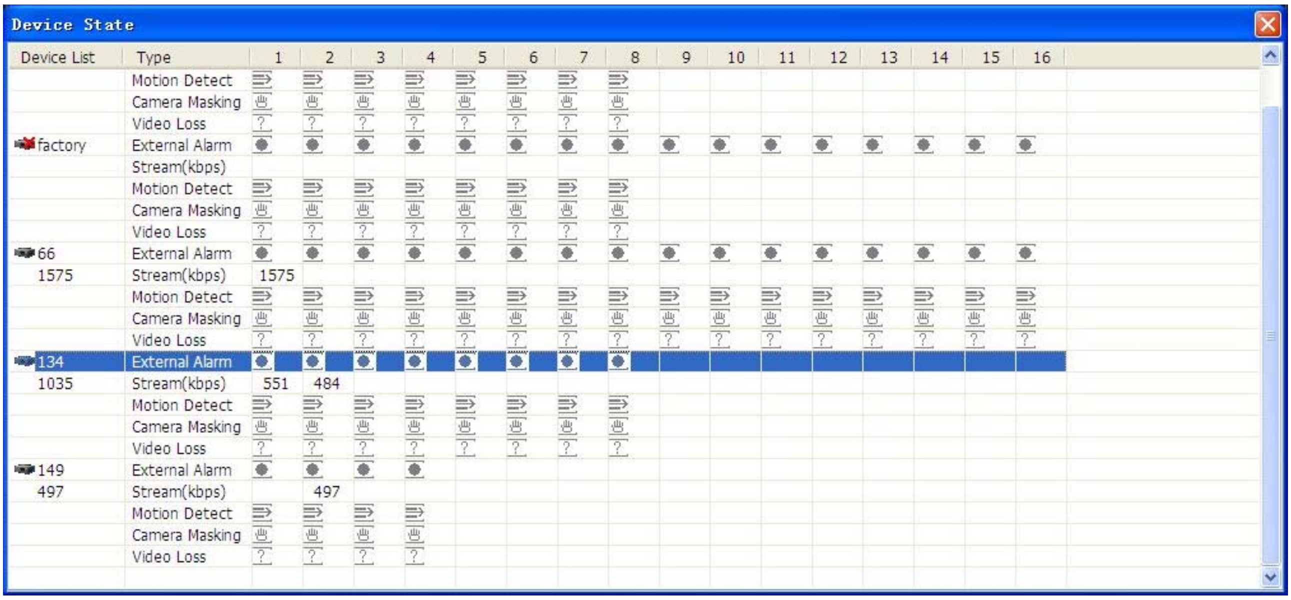



Diagram 6-56

1-16 is the channel number; : motion detect  : camera masking  : video loss  : external alarm

Introduction: green icons refer the function on; red is the alarm indication.

## 6.8 USE-DEFINED TOOL

Click  in 【Use-defined Tool】 to check.

## 6.9 DEVICE RUNNING

① Hard disk status (√: enable, Ｘ: disable) ② memory (red: full, blue: enough space) ③ voice talk status ④ recording status ⑤ motion detect status ⑥ cover alarm status ⑦ loss alarm status ⑧ external alarm status (See "Diagram 6-57")

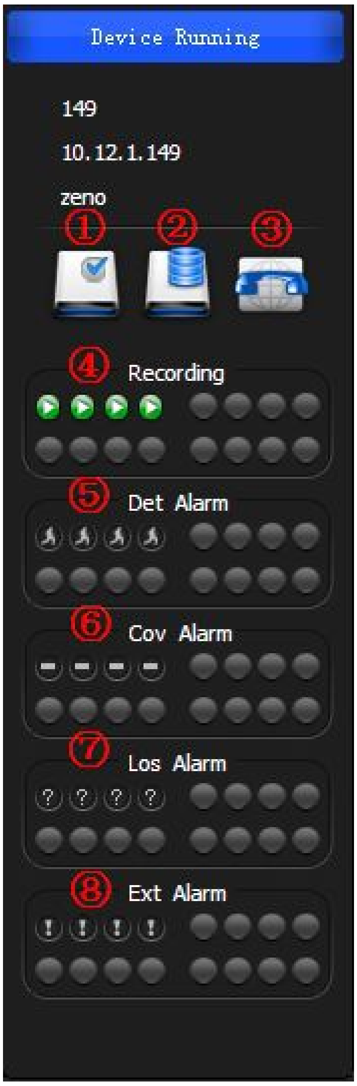



Diagram 6-57

# 6.10UPPER RIGHT ICONS

## 6.10.1 MINIMIZE

Click  to hide the interface11

## 6.10.2 FULL SCREEN

Click  to switch to full screen mode.

## 6.10.3 SHUTDOWN

Click  to pop up the shutdown window. (Diagram 6-58)

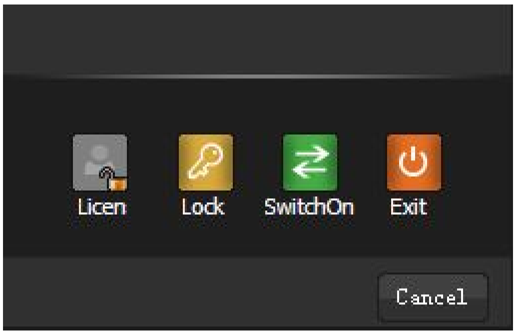



Diagram 6-58

Licen: get the licensed authority by inputting the password.

Lock: lock the system. You need the password to unlock it. (See “Diagram 6-59”)

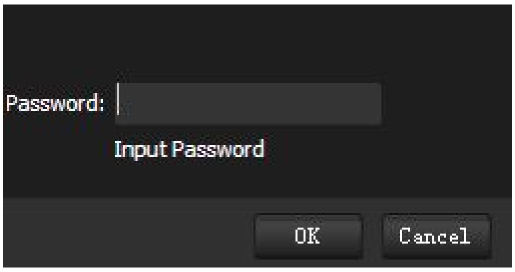



Diagram 6-59

Switch On: the system will reboot as you click the “Switch On” button, then input the new username and password to login by the new account.

Exit: exit the system.

---

Introduction: Allocate authority by the “system” account and reboot the system. You have no authority except live view monitoring in the first login. Set authority and password for further operation.

---

## 6.11CPU & NETWORK




CPU: wave range refers the CPU utilization

NET:  refers net block

## 6.12DATE & ALARM & LOG

Display the time, date, and alarms




Click alarm number to get the alarm configuration interface, see 6.3 ALARM.

Click date and time to pop up the system log interface.

# 7 SYSTEM SETTING

There are local set, modify password, log, update, and screen out, license and user config options in [Setting]. (See "Diagram 7-1")

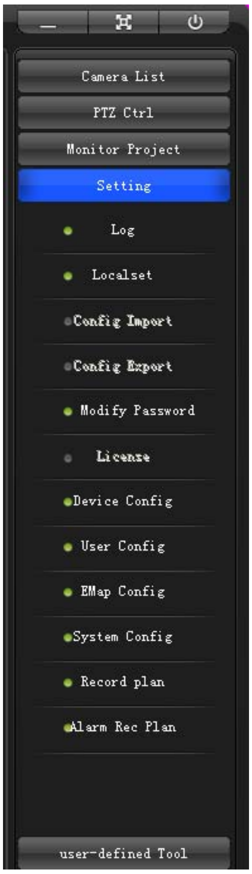



Diagram 7-1

## 7.1 LOG

Log records the account event, operation and alarm information.

Search and download the records according its time, type, and device and username in 【LOG】 interface. See "Diagram 7-2"

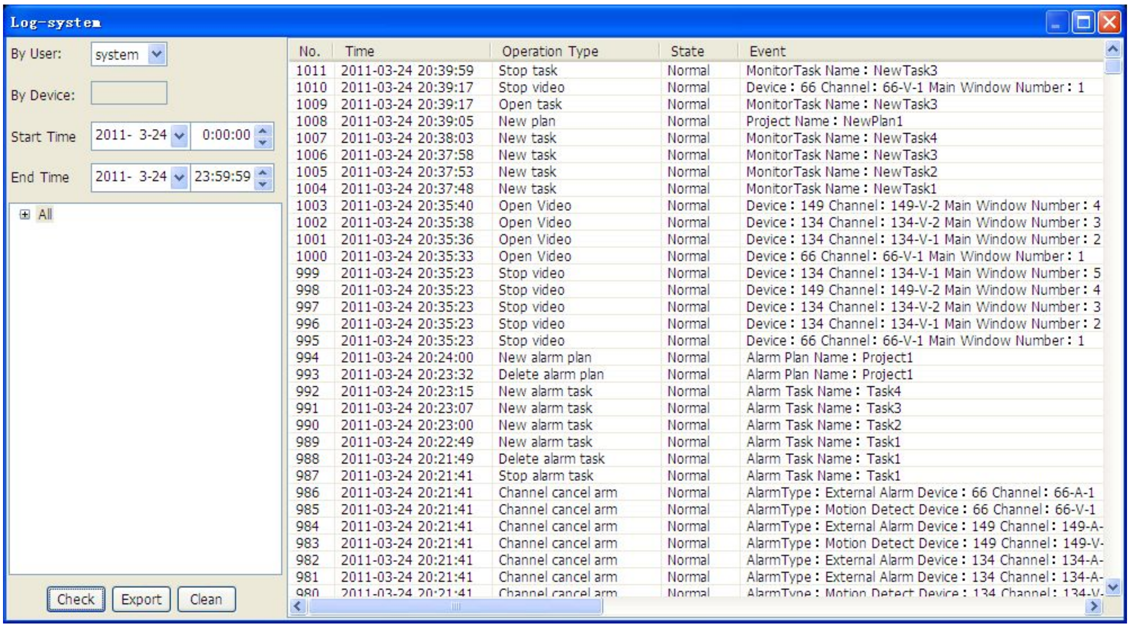



Diagram 7-2

Introduction: click 【ALL】 to get the all records of the selected device

## 7.2 LOCAL SET

"Diagram 7-3" is the [Local Set] interface. You can set record, display, system and some other parameter.

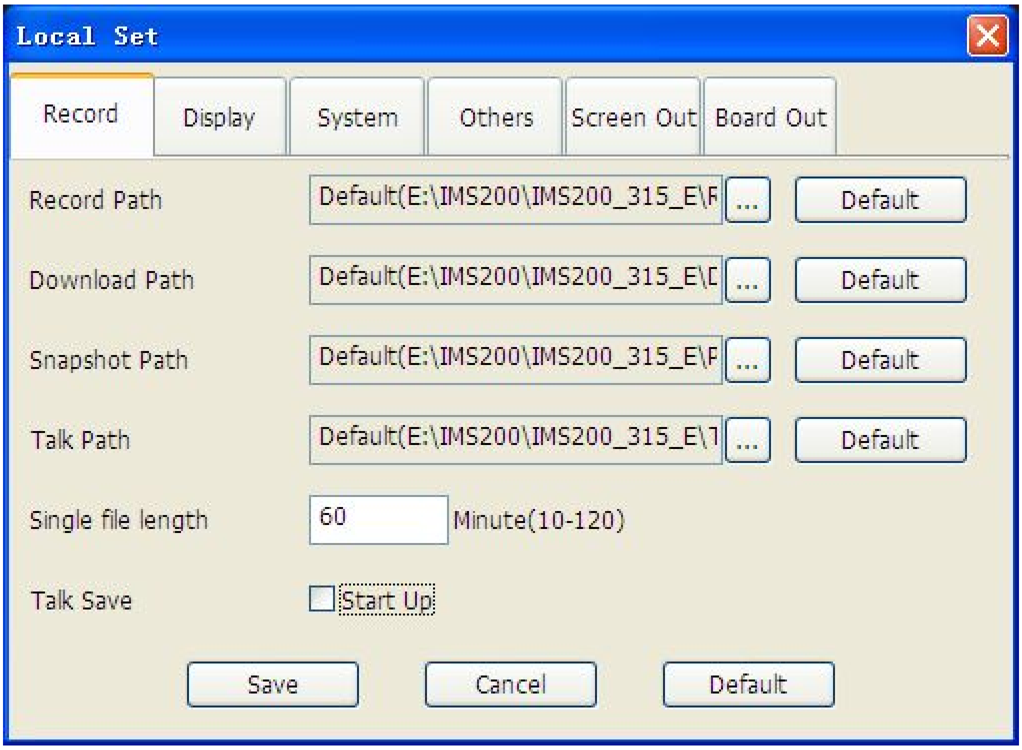



Diagram 7-3

## 7.2.1 RECORDING SETTING

Record (Diagram 7-3): modify record, download, snapshot and talk path, set the single file length and enable the talk save.

## 7.2.2 DISPLAY SETTING

Display (Diagram 7-4): enable the toolbar and EMap's device name, set the map size, log number and media transfer protocol.

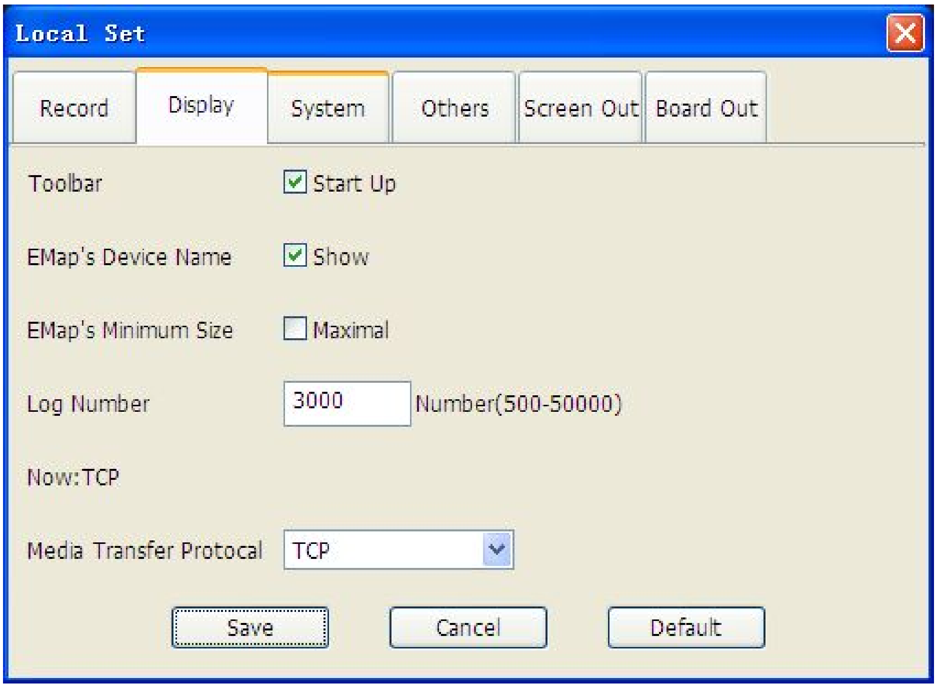



Diagram 7-4

---

Introduction: suggest UDP protocol for internal network; TCP protocol for Ethernet

---

## 7.2.3 SYSTEM SETTING

System (Diagram 7-5): set start screen mode (1\4\6\8\9\10\13\16\20\25\36), organization level, multi-window config (main interface, query, EMap and alarm), auto task running config, and system startup mode.

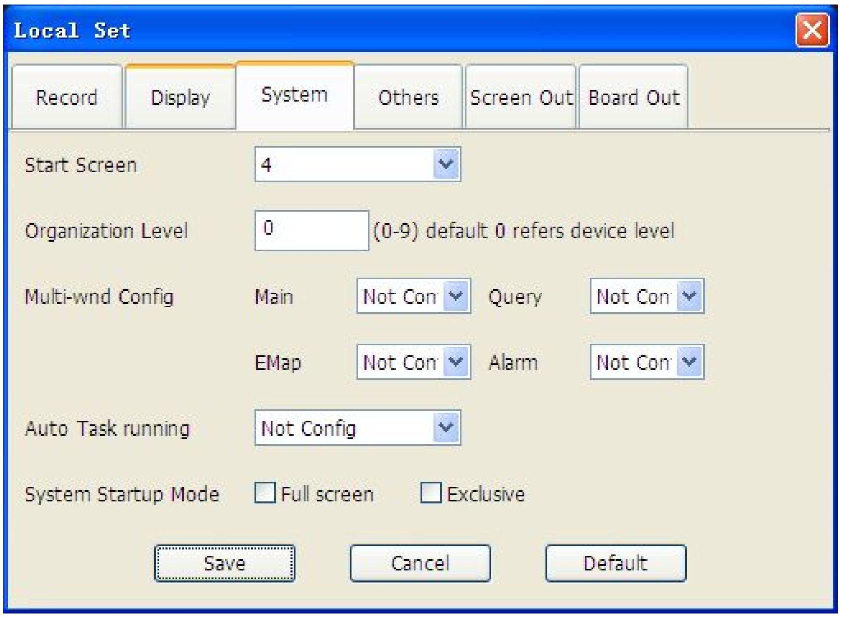



Diagram 7-5

Set the start screens as your requirement;

Set multi-level structure, like "country->province->city->street" 4 levels.

Enable the task auto running;

System startup mode: full screen and exclusive are alterable;

Multi-window config; take the four different operations meanwhile. See "Diagram 7-6"

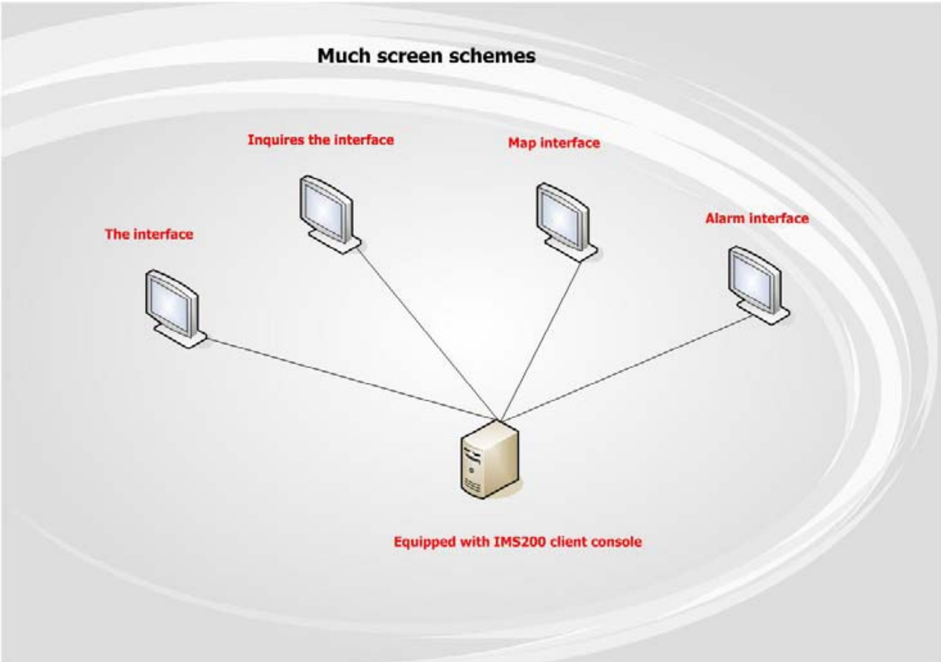



Diagram 7-6

## 7.2.4 OTHERS

Others (Diagram 7-7): set playback forward time, interval, disparity, device running and language.

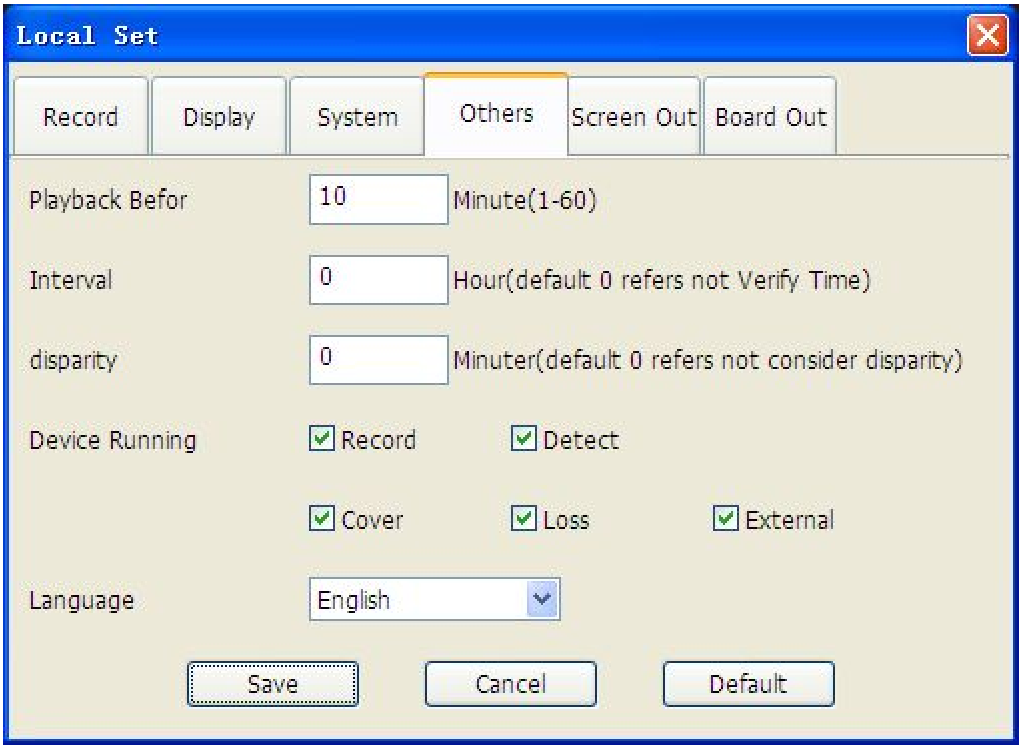



Diagram 7-7

Introduction: suggest UDP protocol for internal network; TCP protocol for Ethernet

## 7.2.5 SCREEN OUT

To set the OSD background color and text color.

Diagram 7-8 shows the [Screen Out] interface

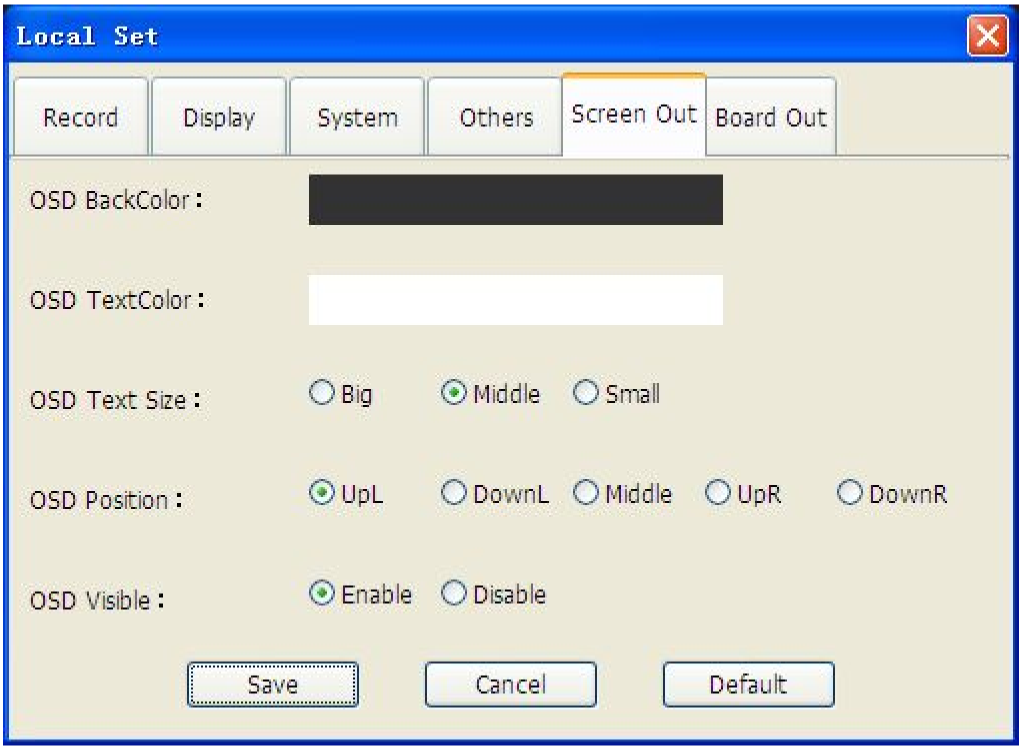



Diagram 7-8

Click “OSD Back Color” and “OSD Text Color” to set color

You can also set the “OSD Text Size”, “OSD Position” and “OSD Visible”

If OSD is visible, the information will show on the upper left, see “Diagram 7-9”




Diagram 7-9

## 7.2.6 VIRTUAL KEYBOARD

It is used with Net Keyboard; please consult technical support staff for detail.

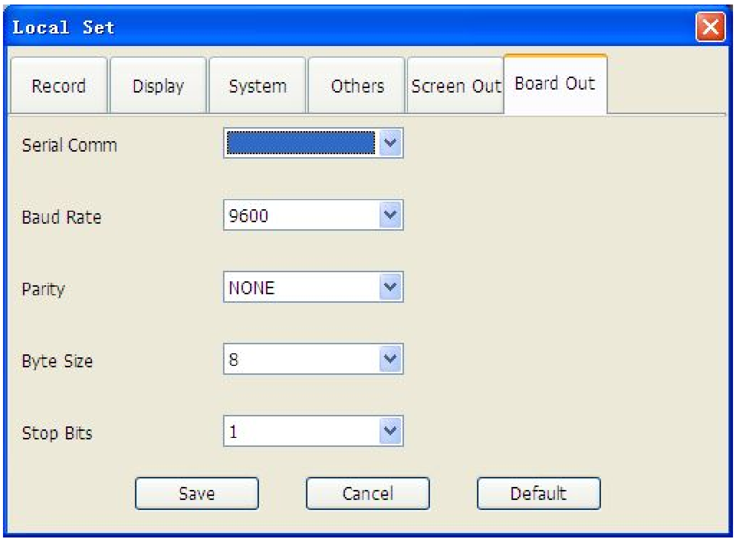



Diagram 7-10

## 7.3 USER CONFIG

Click 【User config】 to enter the following interface .

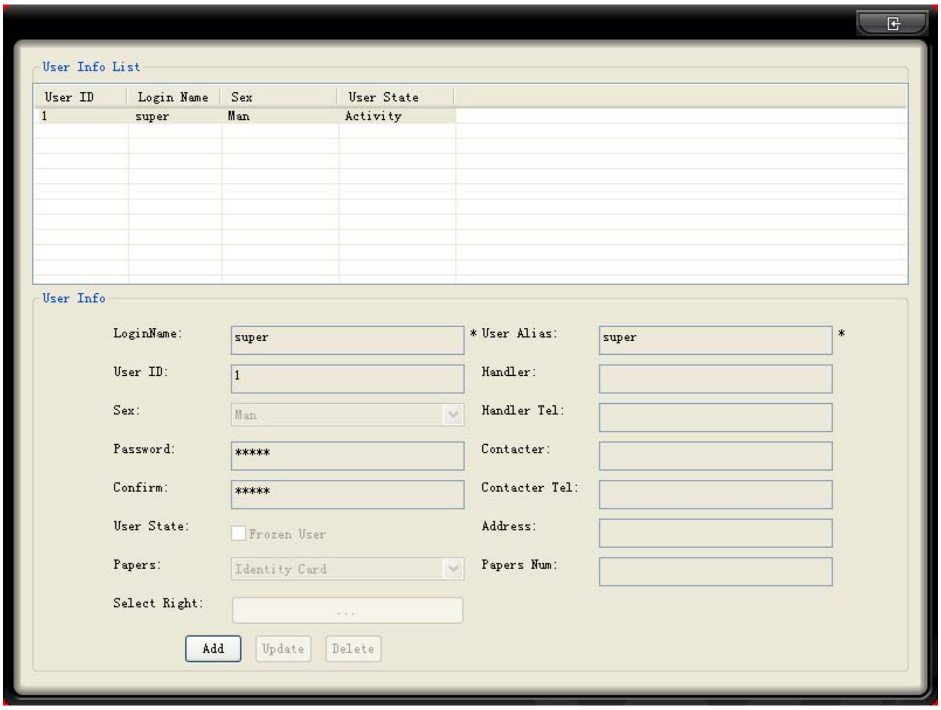



Diagram 7-111

⑴Add: add a user and click “Save”.

⑵Update: select a user and click “Update” icon to modify user information

⑶Select Right: the [Device List] (Diagram 7-2) will pop up when you select one user Tick the device or channel to in the list to authorize and save the modification.

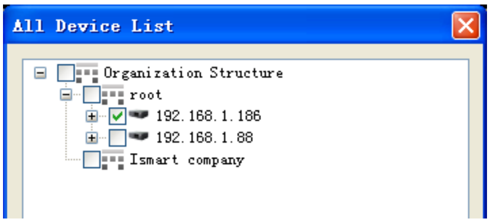



Diagram 7-12

⑷Delete: select a user you want to delete and click “Delete”.

## 7.4 DEVICE CONFIG

Click 【Device config】 to enter the following interface

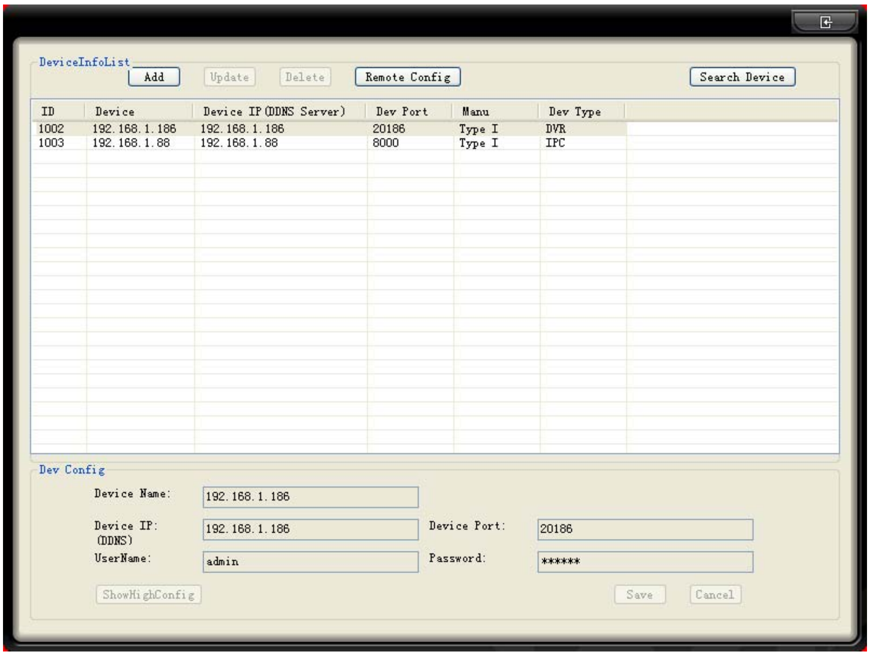



Diagram 7-13

You can add, modify and delete device. Please refer chapter5.3.

# 7.5 EMAP

Click 【EMap】 to get the window as following

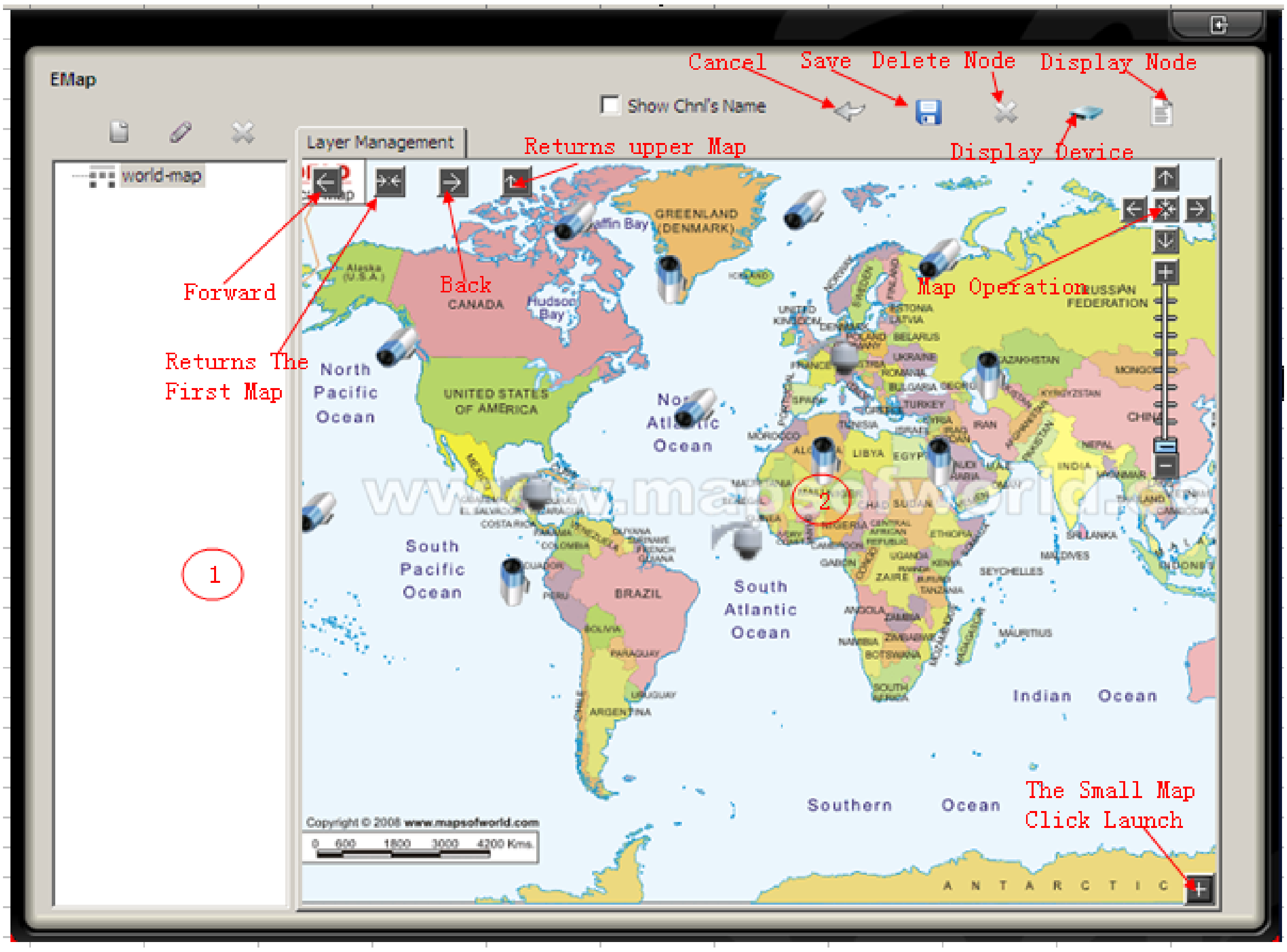



Diagram 7-1412

Two parts:

1、① is the management zoom for adding, modifying and deleting nodes

2、② is the map management zoom. You can add cameras and alarm on map; drag or modify the map size.

(1) Cancel : delete the unsaved node on map

(2) Save : save the operations

(3) Delete : delete the records or camera on map

(4) Show device : pop up the device list and drag the camera or alarm to the map, click to save the operation. (See "Diagram 7-")



Diagram 7-15

⑸ Show node: show the nodes on map; see “Diagram 7-16”

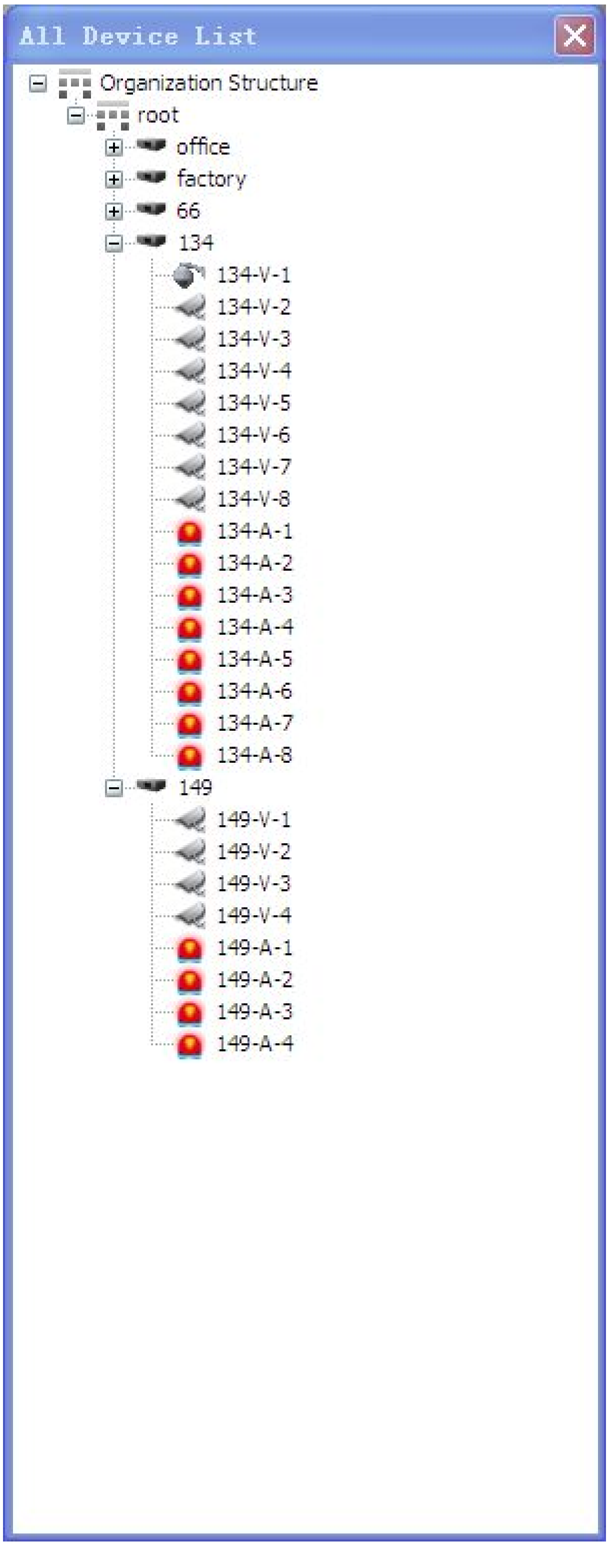



Diagram 7-16

(6) Tick the node which you want to place on map

(7) Click on lower right to open the sub-map, you can position on the sub-map. (See "Diagram 7-17")

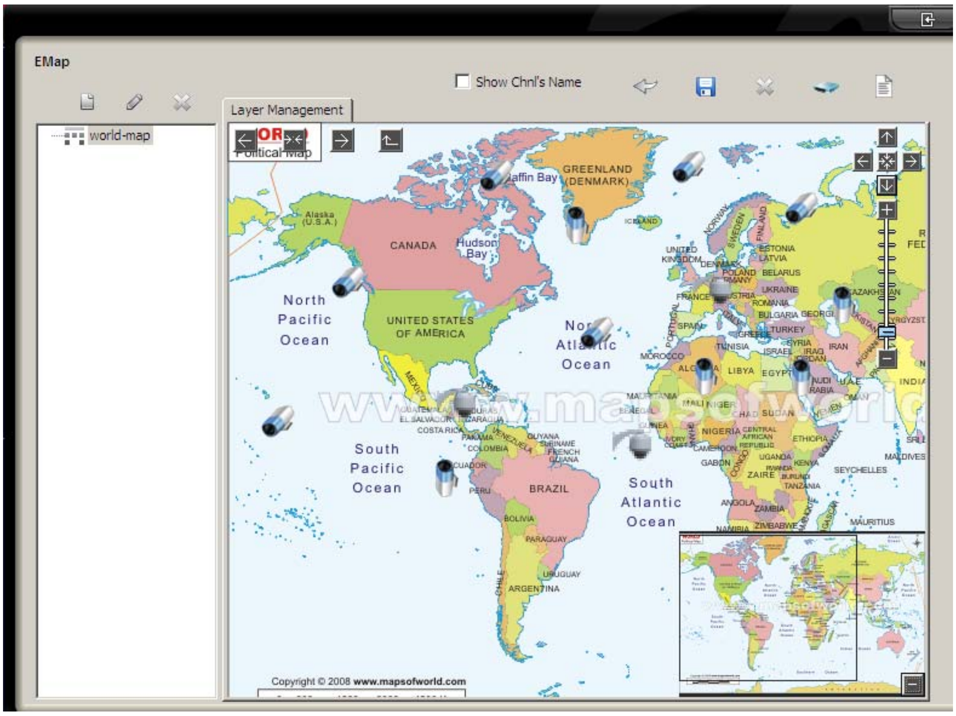



Diagram 7-17

# 7.6 SYSTEM

Click 【System config】 to enter the interface as “Diagram 7-181318”

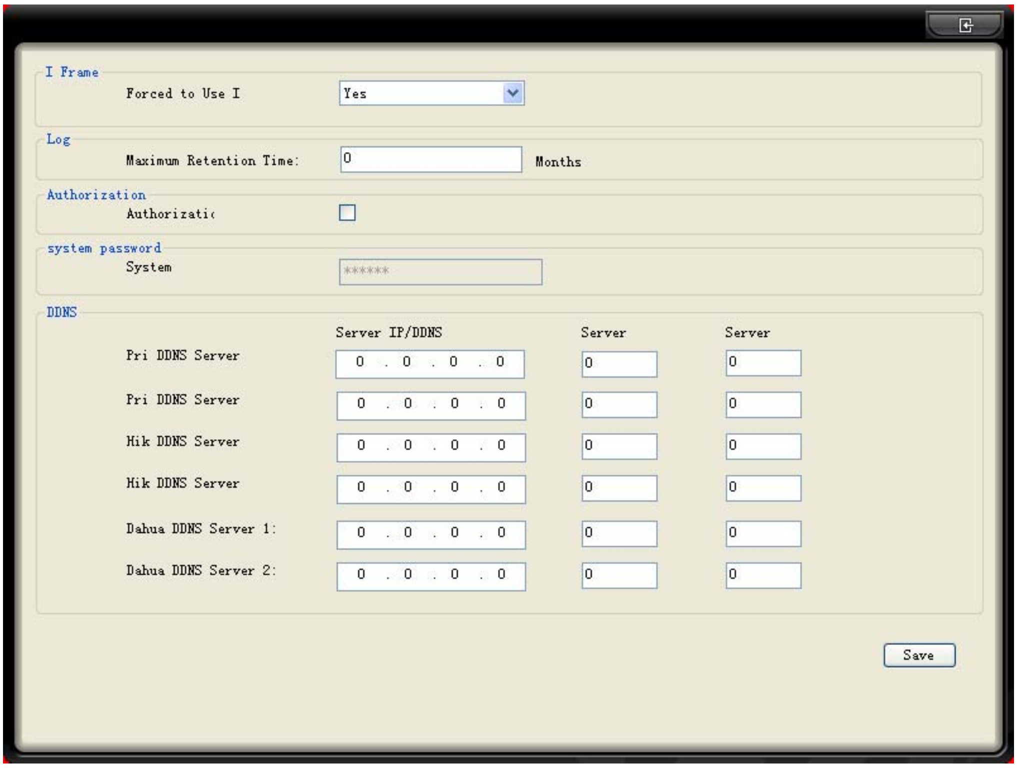



Diagram 7-1813

There are I frame, log, authorization, password and DDNS in system management module which is only showed by "system" account login.

(1) I frame: enable and insert a I frame when start live view or playback for improving image fluency.

(2) Log: log will be deleted as it exceeds the storage period limitation.

(3) Authorization: users are allowed to operate in authored module.

(4) Password: modify password by "system "only

(5) DDNS: support DDNS

## 7.7 Config Import and Export

Input and output the data of 【SETTING】 like local set and log.

## 7.8 MODIFY PASSWORD

In [Modify Password] interface, type in old password and twice new password to modify. Modify the system password in "Setting"—> "Modify password".

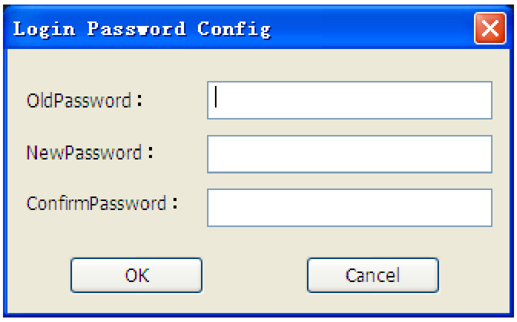



Diagram 7-1914

## 7.9 LICENSE

Click 【License】 to enter the interface as following

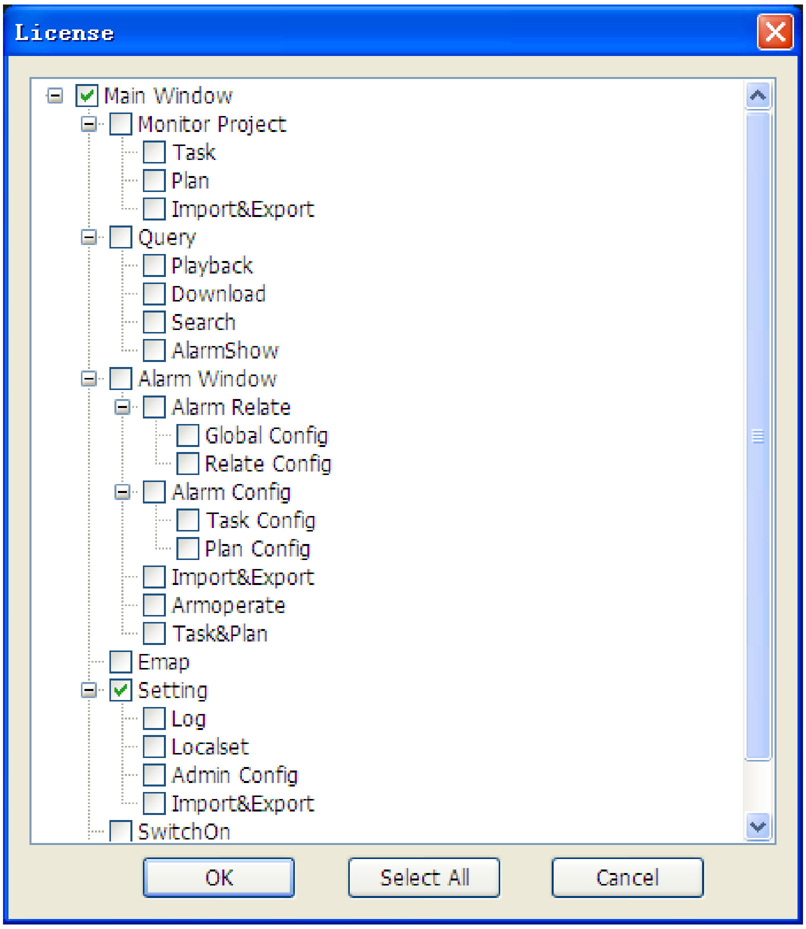



Diagram 7-20

Allocate users' authority include task config (task config, project config, import and export); query (playback, download, search and alarm show); alarm (relate config, global config, task config, plan config, config import and export), EMap, setting (local set, upgrade, log), account switch and authority allocate.

Introduction:

1. Tick the authority items in "setting"→ "system". Restart the system to enable the configuration.

2. Set authority in top right icons. The gray icon refers the authority is unavailable.

3. Enable the authority at top right icons.

APPENDIX A

# 8 FAQ

Q: The prompt “Video Open Fail” shows in live view or tour mode?

A: Probably reasons:

1. The device breakdown.

2. Cannot get the streaming because of the network state.

Q: P/T/Z is incontrollable？

A: Probably reasons:

1. Ensure the camera has P/T/Z function

2. Enable the P/T/Z function

3. Configurate the compatible protocol and address code check the 485 line “＋”“—”are correct.